

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075673.D
 Acq On : 14 Apr 2023 11:24
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 17 01:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	220585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	380793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	351532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	175802	50.000	ug/l	0.00

04/17/2023
 Supervised By :Mahesh
 Radoda

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91945	43.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.820%
35) Dibromofluoromethane	7.804	113	114122	44.558	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.120%
50) Toluene-d8	10.269	98	456896	44.547	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.100%
62) 4-Bromofluorobenzene	12.575	95	129169	47.381	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.760%

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	99042	48.322	ug/l	95
3) Chloromethane	2.146	50	159857	43.194	ug/l	99
4) Vinyl Chloride	2.281	62	227026	46.228	ug/l	99
5) Bromomethane	2.687	94	176110	45.928	ug/l	97
6) Chloroethane	2.834	64	149865	45.324	ug/l	97
7) Trichlorofluoromethane	3.169	101	177331	46.602	ug/l	99
8) Diethyl Ether	3.587	74	54143	45.716	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.963	101	111065	46.545	ug/l	94
10) Methyl Iodide	4.163	142	157267	48.157	ug/l	91
11) Tert butyl alcohol	5.046	59	25249	240.283	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	117583	47.591	ug/l	83
13) Acrolein	3.793	56	52900	249.579	ug/l	100
14) Allyl chloride	4.558	41	105503	46.888	ug/l #	80
15) Acrylonitrile	5.252	53	102727	232.232	ug/l	97
16) Acetone	4.022	43	89374	233.000	ug/l #	87
17) Carbon Disulfide	4.263	76	363384	44.944	ug/l	97
18) Methyl Acetate	4.558	43	59189	45.759	ug/l #	68
19) Methyl tert-butyl Ether	5.310	73	227626	47.473	ug/l	99
20) Methylene Chloride	4.793	84	139743	46.803	ug/l #	71
21) trans-1,2-Dichloroethene	5.305	96	135779	46.143	ug/l #	73
22) Diisopropyl ether	6.210	45	243587	47.908	ug/l #	87
23) Vinyl Acetate	6.152	43	590201	249.910	ug/l #	83
24) 1,1-Dichloroethane	6.110	63	195300	46.355	ug/l	97
25) 2-Butanone	7.081	43	117138	237.180	ug/l #	69
26) 2,2-Dichloropropane	7.069	77	172248	45.096	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	151811	46.574	ug/l	79
28) Bromochloromethane	7.422	49	64040	48.085	ug/l #	45
29) Tetrahydrofuran	7.446	42	64454	238.646	ug/l #	51
30) Chloroform	7.593	83	216932	45.419	ug/l	97
31) Cyclohexane	7.875	56	146791	44.677	ug/l #	65
32) 1,1,1-Trichloroethane	7.793	97	177852	45.667	ug/l	95
36) 1,1-Dichloropropene	8.004	75	162074	45.869	ug/l	94
37) Ethyl Acetate	7.169	43	48040	44.676	ug/l #	77
38) Carbon Tetrachloride	7.993	117	146914	47.216	ug/l	97
39) Methylcyclohexane	9.275	83	199852	48.913	ug/l #	88
40) Benzene	8.246	78	499748	45.497	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.399	41	23031	44.632	ug/l	#	55
42) 1,2-Dichloroethane	8.322	62	112860	45.235	ug/l		89
43) Isopropyl Acetate	8.357	43	90539	46.174	ug/l	#	79
44) Trichloroethene	9.028	130	138684	44.612	ug/l		94
45) 1,2-Dichloropropane	9.304	63	111119	45.142	ug/l		95
46) Dibromomethane	9.393	93	69605	44.573	ug/l		96
47) Bromodichloromethane	9.581	83	163713	45.832	ug/l		95
48) Methyl methacrylate	9.381	41	41323	47.302	ug/l	#	56
49) 1,4-Dioxane	9.387	88	14853	958.681	ug/l	#	73
51) 4-Methyl-2-Pentanone	10.157	43	238222	227.863	ug/l	#	77
52) Toluene	10.334	92	330717	45.279	ug/l		96
53) t-1,3-Dichloropropene	10.551	75	151459	44.232	ug/l		94
54) cis-1,3-Dichloropropene	10.016	75	183266	45.046	ug/l	#	74
55) 1,1,2-Trichloroethane	10.734	97	98126	43.399	ug/l		95
56) Ethyl methacrylate	10.598	69	103365	46.453	ug/l	#	65
57) 1,3-Dichloropropane	10.881	76	153555	44.734	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	247810	259.319	ug/l	#	86
59) 2-Hexanone	10.922	43	174910	237.945	ug/l		71
60) Dibromochloromethane	11.075	129	115744	43.747	ug/l		99
61) 1,2-Dibromoethane	11.181	107	94969	44.031	ug/l		98
64) Tetrachloroethene	10.810	164	115903	45.781	ug/l		97
65) Chlorobenzene	11.610	112	347979	46.216	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.681	131	121616	46.984	ug/l		94
67) Ethyl Benzene	11.687	91	606349	49.621	ug/l		96
68) m/p-Xylenes	11.793	106	504303	100.701	ug/l		89
69) o-Xylene	12.122	106	231978	51.229	ug/l		88
70) Styrene	12.134	104	391796	47.137	ug/l		93
71) Bromoform	12.298	173	65705	48.559	ug/l	#	97
73) Isopropylbenzene	12.422	105	581451	50.395	ug/l		98
74) N-amyl acetate	12.234	43	81735	48.209	ug/l	#	72
75) 1,1,2,2-Tetrachloroethane	12.675	83	103038	45.972	ug/l		99
76) 1,2,3-Trichloropropane	12.728	75	69867m	48.734	ug/l		
77) Bromobenzene	12.704	156	141750	47.655	ug/l		89
78) n-propylbenzene	12.763	91	699403	49.453	ug/l		97
79) 2-Chlorotoluene	12.851	91	375004	46.750	ug/l		93
80) 1,3,5-Trimethylbenzene	12.904	105	477193	49.611	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.469	75	31972	48.336	ug/l	#	70
82) 4-Chlorotoluene	12.951	91	392373	47.042	ug/l		92
83) tert-Butylbenzene	13.169	119	404735	49.904	ug/l		94
84) 1,2,4-Trimethylbenzene	13.216	105	474177	49.129	ug/l		95
85) sec-Butylbenzene	13.345	105	623080	49.800	ug/l		97
86) p-Isopropyltoluene	13.463	119	516211	49.560	ug/l		94
87) 1,3-Dichlorobenzene	13.463	146	293088	47.363	ug/l		97
88) 1,4-Dichlorobenzene	13.539	146	281761	46.089	ug/l		97
89) n-Butylbenzene	13.787	91	474033	49.407	ug/l		99
90) Hexachloroethane	14.057	117	97595	47.159	ug/l		100
91) 1,2-Dichlorobenzene	13.834	146	249791	47.123	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13943	46.406	ug/l		78
93) 1,2,4-Trichlorobenzene	15.104	180	137745	44.666	ug/l		98
94) Hexachlorobutadiene	15.204	225	64068	43.465	ug/l		98
95) Naphthalene	15.333	128	272376	46.620	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	121423	44.733	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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