

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076825.D
 Acq On : 27 Jul 2023 09:33
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 27 14:47:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	220442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	403222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	360813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	109306	49.783	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.560%		
35) Dibromofluoromethane	7.799	113	127419	50.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.580%		
50) Toluene-d8	10.269	98	424627	46.844	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.575	95	142774	48.688	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	73147	42.433	ug/l	98
3) Chloromethane	2.146	50	112525	37.841	ug/l	98
4) Vinyl Chloride	2.281	62	163385	41.217	ug/l	100
5) Bromomethane	2.681	94	136648	41.898	ug/l	99
6) Chloroethane	2.828	64	128753	43.020	ug/l	97
7) Trichlorofluoromethane	3.170	101	162426	46.050	ug/l	95
8) Diethyl Ether	3.587	74	59372	48.890	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	107157	46.218	ug/l	97
10) Methyl Iodide	4.158	142	125894	48.169	ug/l	92
11) Tert butyl alcohol	5.058	59	38685	236.109	ug/l	98
12) 1,1-Dichloroethene	3.934	96	98202	45.082	ug/l	91
13) Acrolein	3.799	56	26096	233.723	ug/l	99
14) Allyl chloride	4.558	41	134852	47.126	ug/l	92
15) Acrylonitrile	5.252	53	137995	231.360	ug/l	99
16) Acetone	4.022	43	132660	252.988	ug/l #	86
17) Carbon Disulfide	4.264	76	208279	40.938	ug/l	98
18) Methyl Acetate	4.564	43	93062	47.236	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	292799	50.124	ug/l	99
20) Methylene Chloride	4.793	84	149548	47.349	ug/l	87
21) trans-1,2-Dichloroethene	5.305	96	116156	45.874	ug/l	92
22) Diisopropyl ether	6.216	45	331293	48.891	ug/l	96
23) Vinyl Acetate	6.152	43	805433	240.233	ug/l	94
24) 1,1-Dichloroethane	6.111	63	218016	47.720	ug/l	99
25) 2-Butanone	7.081	43	178943	254.979	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	195573	49.659	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	154220	49.407	ug/l	96
28) Bromochloromethane	7.422	49	53565	46.895	ug/l	88
29) Tetrahydrofuran	7.446	42	99145	239.107	ug/l	94
30) Chloroform	7.593	83	248328	49.626	ug/l	97
31) Cyclohexane	7.875	56	136170	42.140	ug/l	89
32) 1,1,1-Trichloroethane	7.793	97	201534	49.918	ug/l	98
36) 1,1-Dichloropropene	8.005	75	159589	48.198	ug/l	96
37) Ethyl Acetate	7.163	43	71971	48.604	ug/l	98
38) Carbon Tetrachloride	7.987	117	155767	49.131	ug/l	97
39) Methylcyclohexane	9.269	83	171458	44.847	ug/l	97
40) Benzene	8.246	78	494857	47.367	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	43414	48.012	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	137165	50.530	ug/l	98
43) Isopropyl Acetate	8.357	43	143026	49.493	ug/l	92
44) Trichloroethene	9.022	130	133116	46.758	ug/l	91
45) 1,2-Dichloropropane	9.305	63	128283	47.568	ug/l	100
46) Dibromomethane	9.393	93	76699	48.588	ug/l	92
47) Bromodichloromethane	9.581	83	192324	48.550	ug/l	99
48) Methyl methacrylate	9.381	41	62236	47.318	ug/l #	83
49) 1,4-Dioxane	9.381	88	17414	861.030	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	373607	242.817	ug/l	94
52) Toluene	10.334	92	333695	48.632	ug/l	93
53) t-1,3-Dichloropropene	10.551	75	182645	49.675	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	215708	49.779	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	109458	47.485	ug/l	93
56) Ethyl methacrylate	10.599	69	136744	51.397	ug/l #	94
57) 1,3-Dichloropropane	10.875	76	176239	46.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	238346	231.441	ug/l	100
59) 2-Hexanone	10.922	43	277477	252.738	ug/l	93
60) Dibromochloromethane	11.075	129	133975	50.031	ug/l	96
61) 1,2-Dibromoethane	11.175	107	101899	47.681	ug/l	99
64) Tetrachloroethene	10.810	164	101575	49.370	ug/l	94
65) Chlorobenzene	11.604	112	359798	49.581	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	136968	50.697	ug/l	97
67) Ethyl Benzene	11.681	91	645619	50.660	ug/l	95
68) m/p-Xylenes	11.793	106	492715	100.667	ug/l	92
69) o-Xylene	12.122	106	237236	50.123	ug/l	90
70) Styrene	12.134	104	417478	50.386	ug/l	98
71) Bromoform	12.298	173	77373	52.290	ug/l #	99
73) Isopropylbenzene	12.422	105	625877	51.843	ug/l	96
74) N-amyl acetate	12.234	43	131263	51.611	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	129607	50.002	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	83408m	52.709	ug/l	
77) Bromobenzene	12.698	156	142148	51.011	ug/l	88
78) n-propylbenzene	12.763	91	750340	51.268	ug/l	96
79) 2-Chlorotoluene	12.845	91	414356	51.634	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	498856	51.103	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	39115	52.607	ug/l	97
82) 4-Chlorotoluene	12.945	91	428597	51.124	ug/l	95
83) tert-Butylbenzene	13.163	119	451342	52.511	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	505892	50.713	ug/l	96
85) sec-Butylbenzene	13.345	105	668974	50.943	ug/l	95
86) p-Isopropyltoluene	13.463	119	554532	51.132	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	286020	49.902	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	280978	50.036	ug/l	96
89) n-Butylbenzene	13.787	91	528096	49.762	ug/l	98
90) Hexachloroethane	14.051	117	106687	53.210	ug/l	85
91) 1,2-Dichlorobenzene	13.834	146	249945	49.489	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	17579	47.565	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	156829	50.863	ug/l	98
94) Hexachlorobutadiene	15.204	225	72704	49.028	ug/l	98
95) Naphthalene	15.334	128	392609	58.807	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	142067	51.344	ug/l	100

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

