

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075495.D
 Acq On : 10 Mar 2023 15:51
 Operator : KP/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD031023

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 10 23:57:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	121791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	202900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	185356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	91788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55895	50.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.160%			
35) Dibromofluoromethane	7.810	113	70831	50.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.940%			
50) Toluene-d8	10.269	98	289883	52.804	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.600%			
62) 4-Bromofluorobenzene	12.575	95	80614	50.796	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	54591	44.949	ug/l	94
3) Chloromethane	2.152	50	94860	52.344	ug/l	98
4) Vinyl Chloride	2.287	62	135864	46.484	ug/l	100
5) Bromomethane	2.693	94	100023	43.682	ug/l	97
6) Chloroethane	2.840	64	91254	46.612	ug/l	100
7) Trichlorofluoromethane	3.181	101	113842	48.325	ug/l	99
8) Diethyl Ether	3.593	74	31949	50.805	ug/l	62
9) 1,1,2-Trichlorotrifluo...	3.969	101	71197	46.449	ug/l	97
10) Methyl Iodide	4.169	142	83495	45.659	ug/l	91
11) Tert butyl alcohol	5.052	59	13363	261.862	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	71883	47.487	ug/l	85
13) Acrolein	3.799	56	23557	231.993	ug/l	99
14) Allyl chloride	4.564	41	61645	47.331	ug/l #	80
15) Acrylonitrile	5.252	53	56121	243.370	ug/l	97
16) Acetone	4.022	43	51405	276.041	ug/l #	79
17) Carbon Disulfide	4.275	76	212153	46.451	ug/l	100
18) Methyl Acetate	4.564	43	28316	48.399	ug/l #	70
19) Methyl tert-butyl Ether	5.316	73	133347	50.797	ug/l	98
20) Methylene Chloride	4.805	84	81034	51.714	ug/l #	70
21) trans-1,2-Dichloroethene	5.311	96	81195	47.183	ug/l #	71
22) Diisopropyl ether	6.216	45	138959	49.225	ug/l #	87
23) Vinyl Acetate	6.158	43	350831	256.082	ug/l #	85
24) 1,1-Dichloroethane	6.110	63	115152	47.094	ug/l	95
25) 2-Butanone	7.081	43	64653	250.896	ug/l #	67
26) 2,2-Dichloropropane	7.081	77	108069	48.053	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	90771	49.225	ug/l	80
28) Bromochloromethane	7.428	49	39603	50.239	ug/l #	41
29) Tetrahydrofuran	7.452	42	34548	246.334	ug/l #	49
30) Chloroform	7.599	83	131039	48.254	ug/l	95
31) Cyclohexane	7.875	56	93585	47.543	ug/l #	75
32) 1,1,1-Trichloroethane	7.793	97	113805	47.794	ug/l	94
36) 1,1-Dichloropropene	8.010	75	100056	48.585	ug/l	92
37) Ethyl Acetate	7.169	43	26964	50.251	ug/l #	80
38) Carbon Tetrachloride	7.993	117	97276	49.297	ug/l	96
39) Methylcyclohexane	9.275	83	129445	49.853	ug/l	89
40) Benzene	8.252	78	301113	48.788	ug/l	97

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41) Methacrylonitrile	7.399	41	16057	56.788	ug/l #	72
42) 1,2-Dichloroethane	8.328	62	65806	48.438	ug/l	91
43) Isopropyl Acetate	8.363	43	50615	50.977	ug/l #	78
44) Trichloroethene	9.028	130	87335	48.148	ug/l	99
45) 1,2-Dichloropropane	9.304	63	64671	48.743	ug/l	93
46) Dibromomethane	9.393	93	40212	49.175	ug/l	94
47) Bromodichloromethane	9.587	83	97385	49.181	ug/l	99
48) Methyl methacrylate	9.381	41	23014	49.339	ug/l #	58
49) 1,4-Dioxane	9.387	88	7905	1065.642	ug/l #	74
51) 4-Methyl-2-Pentanone	10.163	43	133364	258.273	ug/l #	78
52) Toluene	10.334	92	201557	50.397	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	88138	49.480	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	109917	50.246	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	57345	49.536	ug/l	94
56) Ethyl methacrylate	10.598	69	58980	53.511	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	86628	48.625	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	144539	267.948	ug/l #	85
59) 2-Hexanone	10.922	43	96471	264.183	ug/l	70
60) Dibromochloromethane	11.075	129	68232	49.888	ug/l	97
61) 1,2-Dibromoethane	11.181	107	54589	50.071	ug/l	97
64) Tetrachloroethene	10.810	164	72144	49.319	ug/l	97
65) Chlorobenzene	11.610	112	210150	47.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	72218	47.954	ug/l	94
67) Ethyl Benzene	11.687	91	373898	49.387	ug/l	96
68) m/p-Xylenes	11.798	106	306587	100.758	ug/l	91
69) o-Xylene	12.122	106	139398	49.329	ug/l	93
70) Styrene	12.140	104	240397	51.142	ug/l	94
71) Bromoform	12.304	173	38392	49.925	ug/l #	96
73) Isopropylbenzene	12.422	105	363586	49.464	ug/l	99
74) N-amyl acetate	12.240	43	45895	50.404	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.675	83	58523	46.945	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	36316m	48.242	ug/l	
77) Bromobenzene	12.704	156	84054	48.100	ug/l	88
78) n-propylbenzene	12.769	91	441828	49.468	ug/l	98
79) 2-Chlorotoluene	12.851	91	230627	47.653	ug/l	92
80) 1,3,5-Trimethylbenzene	12.910	105	296652	49.215	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	17923	50.079	ug/l #	74
82) 4-Chlorotoluene	12.951	91	240070	48.071	ug/l	93
83) tert-Butylbenzene	13.169	119	262751	50.155	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	293084	50.311	ug/l	95
85) sec-Butylbenzene	13.351	105	396947	48.944	ug/l	98
86) p-Isopropyltoluene	13.463	119	335107	50.565	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	174559	48.324	ug/l	97
88) 1,4-Dichlorobenzene	13.545	146	171389	47.963	ug/l	97
89) n-Butylbenzene	13.792	91	303765	49.979	ug/l	98
90) Hexachloroethane	14.057	117	60954	47.632	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	147578	48.279	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7598	48.431	ug/l	72
93) 1,2,4-Trichlorobenzene	15.104	180	85673	48.060	ug/l	99
94) Hexachlorobutadiene	15.210	225	41659	48.998	ug/l	97
95) Naphthalene	15.339	128	163424	49.940	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	74541	48.460	ug/l	98

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

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