

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077982.D
 Acq On : 19 Dec 2023 18:53
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 02:08:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	119013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	207370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73630	52.503	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.000%			
35) Dibromofluoromethane	7.810	113	82517	56.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.620%			
50) Toluene-d8	10.269	98	316730	54.443	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.880%			
62) 4-Bromofluorobenzene	12.575	95	109197	62.781	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 125.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	65307	43.929	ug/l	97
3) Chloromethane	2.152	50	102488	50.576	ug/l	99
4) Vinyl Chloride	2.287	62	144902	52.673	ug/l	99
5) Bromomethane	2.699	94	114495	74.172	ug/l	99
6) Chloroethane	2.840	64	108978	58.105	ug/l	99
7) Trichlorofluoromethane	3.181	101	129684	51.185	ug/l	97
8) Diethyl Ether	3.599	74	40349	56.714	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.975	101	78827	54.384	ug/l	98
10) Methyl Iodide	4.164	142	88920	67.300	ug/l	91
11) Tert butyl alcohol	5.046	59	16939	250.861	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	76436	53.430	ug/l #	83
13) Acrolein	3.799	56	23316	157.171	ug/l	96
14) Allyl chloride	4.564	41	98877	50.254	ug/l	90
15) Acrylonitrile	5.263	53	84435	277.188	ug/l	97
16) Acetone	4.017	43	71830	235.118	ug/l #	85
17) Carbon Disulfide	4.281	76	216176	44.666	ug/l	98
18) Methyl Acetate	4.569	43	66712	60.402	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	178200	58.711	ug/l	99
20) Methylene Chloride	4.811	84	98093	60.035	ug/l	90
21) trans-1,2-Dichloroethene	5.322	96	90299	55.728	ug/l	89
22) Diisopropyl ether	6.216	45	225262	54.787	ug/l	93
23) Vinyl Acetate	6.158	43	507606m	252.809	ug/l	
24) 1,1-Dichloroethane	6.116	63	158842	57.047	ug/l	95
25) 2-Butanone	7.087	43	97727	253.734	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	122550	52.422	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	106708	61.202	ug/l	93
28) Bromochloromethane	7.428	49	57770	51.346	ug/l	80
29) Tetrahydrofuran	7.452	42	59070	264.510	ug/l	93
30) Chloroform	7.599	83	167195	59.998	ug/l	94
31) Cyclohexane	7.881	56	111177	44.570	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	137906	56.136	ug/l	99
36) 1,1-Dichloropropene	8.010	75	119155	51.284	ug/l	96
37) Ethyl Acetate	7.175	43	40721	44.948	ug/l	95
38) Carbon Tetrachloride	7.993	117	122287	52.794	ug/l	98
39) Methylcyclohexane	9.275	83	135926	49.348	ug/l	94
40) Benzene	8.252	78	363098	55.061	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23006	49.962	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	96644	56.538	ug/l	95
43) Isopropyl Acetate	8.357	43	79667	49.468	ug/l	96
44) Trichloroethene	9.028	130	96766	56.309	ug/l	99
45) 1,2-Dichloropropane	9.310	63	91816	57.275	ug/l	100
46) Dibromomethane	9.393	93	51644	60.886	ug/l	93
47) Bromodichloromethane	9.581	83	130155	60.539	ug/l	96
48) Methyl methacrylate	9.381	41	46636	50.942	ug/l #	83
49) 1,4-Dioxane	9.387	88	9342	1109.173	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	215061	261.658	ug/l	93
52) Toluene	10.334	92	240978	58.911	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	123611	59.873	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	147520	59.099	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	71756	61.847	ug/l	97
56) Ethyl methacrylate	10.599	69	60814	59.460	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	119172	59.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	136163	233.451	ug/l	99
59) 2-Hexanone	10.922	43	156470	229.462	ug/l	91
60) Dibromochloromethane	11.075	129	90439	64.743	ug/l	96
61) 1,2-Dibromoethane	11.181	107	70261	64.332	ug/l	97
64) Tetrachloroethene	10.810	164	80807	52.918	ug/l	96
65) Chlorobenzene	11.610	112	271064	55.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	98784	57.177	ug/l	97
67) Ethyl Benzene	11.687	91	483105	55.852	ug/l	96
68) m/p-Xylenes	11.793	106	373641	112.930	ug/l	92
69) o-Xylene	12.122	106	176079	57.745	ug/l	92
70) Styrene	12.134	104	270723	59.708	ug/l	95
71) Bromoform	12.298	173	53222	58.957	ug/l #	100
73) Isopropylbenzene	12.422	105	462396	52.892	ug/l	98
74) N-amyl acetate	12.234	43	76305	44.403	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	82226	53.943	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	57262m	57.159	ug/l	
77) Bromobenzene	12.698	156	111436	54.193	ug/l	95
78) n-propylbenzene	12.763	91	553925	51.998	ug/l	98
79) 2-Chlorotoluene	12.851	91	309767	54.260	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	392073	53.772	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	24915	50.389	ug/l	95
82) 4-Chlorotoluene	12.945	91	322554	54.045	ug/l	96
83) tert-Butylbenzene	13.169	119	341383	55.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	395523	54.235	ug/l	98
85) sec-Butylbenzene	13.345	105	491544	54.022	ug/l	97
86) p-Isopropyltoluene	13.463	119	446328	54.788	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	231825	55.129	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	223676	53.400	ug/l	98
89) n-Butylbenzene	13.787	91	408142	53.244	ug/l	99
90) Hexachloroethane	14.057	117	86435	57.693	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	196516	54.949	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12295	55.795	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	132947	54.423	ug/l	96
94) Hexachlorobutadiene	15.204	225	70455	53.485	ug/l	99
95) Naphthalene	15.334	128	247065	60.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	114282	56.746	ug/l	98

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

