

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078532.D
 Acq On : 23 Feb 2024 13:15
 Operator : RP/MD
 Sample : VD0223SBSD01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0223SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/26/2024
 Supervised By :Semsettin Yesilyurt 02/26/2024

Quant Time: Feb 24 00:20:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	120328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	205931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	190169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	96251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62984	48.410	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.820%		
35) Dibromofluoromethane	7.804	113	68692	52.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.020%		
50) Toluene-d8	10.269	98	264848	50.613	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.220%		
62) 4-Bromofluorobenzene	12.569	95	75061	49.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21084	17.784	ug/l	96
3) Chloromethane	2.146	50	38730	17.776	ug/l	98
4) Vinyl Chloride	2.275	62	61538	18.509	ug/l	98
5) Bromomethane	2.675	94	46355	20.199	ug/l	96
6) Chloroethane	2.828	64	50651	20.892	ug/l	94
7) Trichlorofluoromethane	3.164	101	45300	20.198	ug/l	87
8) Diethyl Ether	3.587	74	12679	19.627	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.952	101	29819	21.076	ug/l	97
10) Methyl Iodide	4.164	142	25419	20.059	ug/l	93
11) Tert butyl alcohol	5.058	59	7734m	106.435	ug/l	
12) 1,1-Dichloroethene	3.928	96	24943	19.015	ug/l	85
13) Acrolein	3.799	56	10515	87.484	ug/l	97
14) Allyl chloride	4.552	41	29006	17.900	ug/l	95
15) Acrylonitrile	5.252	53	27688	100.124	ug/l #	88
16) Acetone	4.028	43	33425	119.021	ug/l #	84
17) Carbon Disulfide	4.263	76	66211	15.001	ug/l	99
18) Methyl Acetate	4.558	43	10533	14.432	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	54957	19.720	ug/l	96
20) Methylene Chloride	4.799	84	35950	22.706	ug/l #	80
21) trans-1,2-Dichloroethene	5.305	96	28720	18.611	ug/l	96
22) Diisopropyl ether	6.216	45	71031	19.887	ug/l	94
23) Vinyl Acetate	6.158	43	186731m	120.290	ug/l	
24) 1,1-Dichloroethane	6.105	63	49728	19.654	ug/l	95
25) 2-Butanone	7.087	43	40444	114.163	ug/l #	81
26) 2,2-Dichloropropane	7.069	77	44076	20.780	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	32725	19.329	ug/l	91
28) Bromochloromethane	7.422	49	20369	20.325	ug/l	88
29) Tetrahydrofuran	7.440	42	19473	100.643	ug/l	93
30) Chloroform	7.593	83	54423	20.330	ug/l	98
31) Cyclohexane	7.875	56	38544	17.513	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	46956	20.573	ug/l	97
36) 1,1-Dichloropropene	8.004	75	39827	19.599	ug/l	96
37) Ethyl Acetate	7.169	43	13734	19.280	ug/l #	93
38) Carbon Tetrachloride	7.993	117	40542	20.145	ug/l	98
39) Methylcyclohexane	9.275	83	43792	18.152	ug/l	92
40) Benzene	8.252	78	116837	19.891	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	7175m	19.354	ug/l	
42) 1,2-Dichloroethane	8.322	62	31864	20.966	ug/l	99
43) Isopropyl Acetate	8.363	43	27226	20.640	ug/l	93
44) Trichloroethene	9.028	130	31685	21.145	ug/l	98
45) 1,2-Dichloropropane	9.304	63	29166	20.238	ug/l	98
46) Dibromomethane	9.399	93	16995	20.966	ug/l	94
47) Bromodichloromethane	9.587	83	41990	20.914	ug/l	98
48) Methyl methacrylate	9.381	41	12804	18.296	ug/l #	79
49) 1,4-Dioxane	9.393	88	3419	389.475	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	72262	103.215	ug/l	93
52) Toluene	10.334	92	75022	20.197	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	37553	20.498	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	44777	20.157	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	23641	21.657	ug/l	90
56) Ethyl methacrylate	10.598	69	25133	24.894	ug/l	97
57) 1,3-Dichloropropane	10.881	76	38759	20.873	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	69233	116.417	ug/l	95
59) 2-Hexanone	10.922	43	58624	111.423	ug/l	89
60) Dibromochloromethane	11.075	129	29405	22.388	ug/l	97
61) 1,2-Dibromoethane	11.181	107	21843	21.314	ug/l	96
64) Tetrachloroethene	10.810	164	25871	21.538	ug/l	96
65) Chlorobenzene	11.604	112	82320	21.532	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	29652	21.105	ug/l	97
67) Ethyl Benzene	11.681	91	136889	19.983	ug/l	98
68) m/p-Xylenes	11.793	106	113250	42.384	ug/l	96
69) o-Xylene	12.122	106	50923	20.884	ug/l	94
70) Styrene	12.134	104	88723	22.295	ug/l	99
71) Bromoform	12.298	173	16181	21.881	ug/l #	95
73) Isopropylbenzene	12.422	105	134027	20.737	ug/l	96
74) N-amyl acetate	12.234	43	24987	20.436	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	27492	21.443	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	15057m	18.426	ug/l	
77) Bromobenzene	12.704	156	33225	21.874	ug/l	94
78) n-propylbenzene	12.763	91	168898	20.970	ug/l	98
79) 2-Chlorotoluene	12.851	91	91221	21.146	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	113327	21.117	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	7965	20.236	ug/l	90
82) 4-Chlorotoluene	12.945	91	97431	21.029	ug/l	95
83) tert-Butylbenzene	13.169	119	95388	21.075	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	112816	20.713	ug/l	97
85) sec-Butylbenzene	13.345	105	154776	22.050	ug/l	96
86) p-Isopropyltoluene	13.463	119	126842	21.216	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	70215	21.659	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	69145	21.707	ug/l	97
89) n-Butylbenzene	13.787	91	121117	21.018	ug/l	97
90) Hexachloroethane	14.057	117	27416	22.311	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	61630	22.639	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3551	21.153	ug/l	97
93) 1,2,4-Trichlorobenzene	15.104	180	34342	21.465	ug/l	100
94) Hexachlorobutadiene	15.210	225	19159	22.942	ug/l	99
95) Naphthalene	15.334	128	62365	21.016	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	30234	22.298	ug/l	96

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

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