

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078410.D
 Acq On : 14 Feb 2024 12:32
 Operator : RP/MD
 Sample : VD0214SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/15/2024
 Supervised By :Semsettin Yesilyurt 02/15/2024

Quant Time: Feb 15 03:39:27 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	151360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	262723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	245557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	117924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75647	46.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.440%		
35) Dibromofluoromethane	7.805	113	80676	48.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.680%		
50) Toluene-d8	10.269	98	317017	47.487	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.980%		
62) 4-Bromofluorobenzene	12.575	95	91635	47.168	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	28019	18.788	ug/l	93
3) Chloromethane	2.152	50	52941	19.317	ug/l	97
4) Vinyl Chloride	2.287	62	77834	18.611	ug/l	96
5) Bromomethane	2.687	94	59511	20.615	ug/l	97
6) Chloroethane	2.834	64	59667	19.566	ug/l	100
7) Trichlorofluoromethane	3.170	101	59706	21.164	ug/l	97
8) Diethyl Ether	3.593	74	16429	20.218	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.970	101	37600	21.127	ug/l	94
10) Methyl Iodide	4.164	142	29208	18.323	ug/l	91
11) Tert butyl alcohol	5.058	59	10439	114.629	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	34184	20.717	ug/l	95
13) Acrolein	3.793	56	13934	92.161	ug/l	91
14) Allyl chloride	4.564	41	42444	20.822	ug/l	91
15) Acrylonitrile	5.258	53	33561	96.480	ug/l	95
16) Acetone	4.034	43	43621	124.533	ug/l #	82
17) Carbon Disulfide	4.275	76	111200	20.028	ug/l	97
18) Methyl Acetate	4.564	43	14036	15.051	ug/l	94
19) Methyl tert-butyl Ether	5.317	73	70092	19.994	ug/l	96
20) Methylene Chloride	4.799	84	46038	23.175	ug/l #	89
21) trans-1,2-Dichloroethene	5.317	96	39043	20.114	ug/l	96
22) Diisopropyl ether	6.216	45	94040	20.931	ug/l	91
23) Vinyl Acetate	6.158	43	276240	144.081	ug/l	94
24) 1,1-Dichloroethane	6.116	63	66912	21.024	ug/l	97
25) 2-Butanone	7.081	43	50290	112.660	ug/l	92
26) 2,2-Dichloropropane	7.081	77	54823	20.548	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	41699	19.580	ug/l	92
28) Bromochloromethane	7.428	49	27084	21.485	ug/l #	77
29) Tetrahydrofuran	7.446	42	24855	102.122	ug/l	87
30) Chloroform	7.599	83	67347	20.000	ug/l	99
31) Cyclohexane	7.881	56	56499	20.408	ug/l	90
32) 1,1,1-Trichloroethane	7.793	97	58998	20.549	ug/l	97
36) 1,1-Dichloropropene	8.011	75	54024	20.838	ug/l	96
37) Ethyl Acetate	7.175	43	19128	21.047	ug/l #	89
38) Carbon Tetrachloride	7.993	117	51389	20.015	ug/l	98
39) Methylcyclohexane	9.275	83	62809	20.407	ug/l	92
40) Benzene	8.252	78	155540	20.756	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	9026	19.084	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	40282	20.775	ug/l	98
43) Isopropyl Acetate	8.358	43	35598	21.153	ug/l	91
44) Trichloroethene	9.028	130	39063	20.433	ug/l	79
45) 1,2-Dichloropropane	9.305	63	38043	20.691	ug/l	97
46) Dibromomethane	9.399	93	21278	20.575	ug/l	88
47) Bromodichloromethane	9.587	83	52677	20.565	ug/l	98
48) Methyl methacrylate	9.381	41	16366	18.330	ug/l	83
49) 1,4-Dioxane	9.387	88	4237	378.323	ug/l #	72
51) 4-Methyl-2-Pentanone	10.163	43	95665	107.105	ug/l	90
52) Toluene	10.334	92	95876	20.232	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	48053	20.560	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	58932	20.794	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	29813	21.407	ug/l	96
56) Ethyl methacrylate	10.593	69	29542	22.936	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	47754	20.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	73634	97.052	ug/l	95
59) 2-Hexanone	10.922	43	76047	113.293	ug/l	89
60) Dibromochloromethane	11.075	129	33712	20.119	ug/l	99
61) 1,2-Dibromoethane	11.181	107	26726	20.441	ug/l	97
64) Tetrachloroethene	10.810	164	31076	20.036	ug/l #	87
65) Chlorobenzene	11.610	112	103030	20.870	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	36836	20.304	ug/l	98
67) Ethyl Benzene	11.687	91	174662	19.746	ug/l	96
68) m/p-Xylenes	11.793	106	140517	40.727	ug/l	90
69) o-Xylene	12.122	106	62352	19.803	ug/l	90
70) Styrene	12.134	104	109977	21.402	ug/l	96
71) Bromoform	12.299	173	19098	20.000	ug/l #	97
73) Isopropylbenzene	12.422	105	168973	21.339	ug/l	96
74) N-amyl acetate	12.234	43	33454	22.332	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	32948	20.976	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	22289m	22.264	ug/l	
77) Bromobenzene	12.704	156	38857	20.880	ug/l	90
78) n-propylbenzene	12.763	91	211561	21.439	ug/l	95
79) 2-Chlorotoluene	12.851	91	115120	21.781	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	140598	21.383	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	9554	19.812	ug/l	90
82) 4-Chlorotoluene	12.946	91	121207	21.353	ug/l	94
83) tert-Butylbenzene	13.169	119	119111	21.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	138364	20.734	ug/l	98
85) sec-Butylbenzene	13.346	105	190779	22.184	ug/l	95
86) p-Isopropyltoluene	13.463	119	154950	21.154	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	82466	20.763	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	84408	21.629	ug/l	97
89) n-Butylbenzene	13.787	91	150880	21.371	ug/l	96
90) Hexachloroethane	14.051	117	30994	20.587	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	71904	21.559	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4176	20.304	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	40984	20.908	ug/l	96
94) Hexachlorobutadiene	15.204	225	21174	20.695	ug/l	99
95) Naphthalene	15.334	128	73514	20.220	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	35788	21.543	ug/l	99

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

