

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032224\
 Data File : VD078737.D
 Acq On : 22 Mar 2024 12:36
 Operator : RP/MD
 Sample : VD0322SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2024
 Supervised By :Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 23:18:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	107614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	184818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	171280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	88238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58972	58.474	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.940%			
35) Dibromofluoromethane	7.810	113	68597	57.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.300%			
50) Toluene-d8	10.269	98	260616	59.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.100%			
62) 4-Bromofluorobenzene	12.575	95	76561	59.799	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20161	20.129	ug/l	98
3) Chloromethane	2.152	50	29173	18.447	ug/l	91
4) Vinyl Chloride	2.293	62	44367	19.018	ug/l	99
5) Bromomethane	2.693	94	41750	18.692	ug/l	96
6) Chloroethane	2.840	64	34209	18.803	ug/l	97
7) Trichlorofluoromethane	3.181	101	39653	21.485	ug/l	98
8) Diethyl Ether	3.599	74	11271	20.917	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.981	101	26786	23.126	ug/l	96
10) Methyl Iodide	4.169	142	28970	21.144	ug/l	97
11) Tert butyl alcohol	5.052	59	4970	110.117	ug/l #	92
12) 1,1-Dichloroethene	3.952	96	23029	20.915	ug/l	99
13) Acrolein	3.793	56	7417	104.906	ug/l	99
14) Allyl chloride	4.569	41	25246	20.549	ug/l	97
15) Acrylonitrile	5.246	53	22401	103.124	ug/l	91
16) Acetone	4.028	43	24113	123.643	ug/l	95
17) Carbon Disulfide	4.275	76	67141	18.601	ug/l	99
18) Methyl Acetate	4.563	43	8341	19.929	ug/l	99
19) Methyl tert-butyl Ether	5.328	73	48698	21.931	ug/l #	89
20) Methylene Chloride	4.810	84	33566	22.573	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	27599	21.243	ug/l #	85
22) Diisopropyl ether	6.222	45	62853	22.501	ug/l	92
23) Vinyl Acetate	6.163	43	182466	111.674	ug/l	99
24) 1,1-Dichloroethane	6.116	63	46667	22.283	ug/l	96
25) 2-Butanone	7.081	43	28650	110.498	ug/l	90
26) 2,2-Dichloropropane	7.081	77	38598	21.784	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	32567	21.977	ug/l	98
28) Bromochloromethane	7.434	49	17162	22.986	ug/l	98
29) Tetrahydrofuran	7.451	42	15754	111.711	ug/l	97
30) Chloroform	7.599	83	51579	22.089	ug/l	99
31) Cyclohexane	7.887	56	33365	19.683	ug/l	98
32) 1,1,1-Trichloroethane	7.804	97	43372	21.892	ug/l	99
36) 1,1-Dichloropropene	8.016	75	36962	21.408	ug/l	99
37) Ethyl Acetate	7.181	43	12738	22.584	ug/l #	87
38) Carbon Tetrachloride	7.999	117	38120	20.943	ug/l	98
39) Methylcyclohexane	9.275	83	38767	19.356	ug/l	97
40) Benzene	8.257	78	107942	20.682	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	6469m	21.886	ug/l	
42) 1,2-Dichloroethane	8.328	62	27977	21.981	ug/l	99
43) Isopropyl Acetate	8.357	43	21557	21.016	ug/l	97
44) Trichloroethene	9.034	130	29803	21.042	ug/l	92
45) 1,2-Dichloropropane	9.304	63	27006	21.813	ug/l	99
46) Dibromomethane	9.398	93	15848	21.354	ug/l	96
47) Bromodichloromethane	9.587	83	40176	22.740	ug/l	94
48) Methyl methacrylate	9.381	41	9918	19.844	ug/l	94
49) 1,4-Dioxane	9.393	88	2450	356.538	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	59331	110.639	ug/l	98
52) Toluene	10.334	92	71771	21.360	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	34540	21.382	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	43178	22.235	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	22259	22.397	ug/l	93
56) Ethyl methacrylate	10.598	69	21108	21.186	ug/l	98
57) 1,3-Dichloropropane	10.881	76	35695	22.259	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	49888	113.559	ug/l	98
59) 2-Hexanone	10.922	43	43986	110.647	ug/l	97
60) Dibromochloromethane	11.075	129	27183	22.179	ug/l	99
61) 1,2-Dibromoethane	11.181	107	20831	21.658	ug/l	97
64) Tetrachloroethene	10.816	164	24121	21.281	ug/l	99
65) Chlorobenzene	11.604	112	78228	21.856	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	30149	23.000	ug/l	98
67) Ethyl Benzene	11.687	91	129695	21.264	ug/l	97
68) m/p-Xylenes	11.792	106	107432	43.377	ug/l	98
69) o-Xylene	12.122	106	49249	21.492	ug/l	100
70) Styrene	12.134	104	84581	21.991	ug/l	99
71) Bromoform	12.298	173	15076	21.282	ug/l #	95
73) Isopropylbenzene	12.422	105	126006	21.689	ug/l	98
74) N-amyl acetate	12.234	43	20700	21.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	23809	22.138	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	15335m	22.557	ug/l	
77) Bromobenzene	12.704	156	31369	21.772	ug/l	96
78) n-propylbenzene	12.763	91	158207	22.372	ug/l	100
79) 2-Chlorotoluene	12.851	91	84834	21.868	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	107665	22.410	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	6749	20.810	ug/l	89
82) 4-Chlorotoluene	12.945	91	89743	21.871	ug/l	100
83) tert-Butylbenzene	13.169	119	92288	22.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	106134	21.922	ug/l	98
85) sec-Butylbenzene	13.345	105	139671	22.280	ug/l	99
86) p-Isopropyltoluene	13.463	119	117559	21.906	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	67882	22.327	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	63756	21.278	ug/l	96
89) n-Butylbenzene	13.786	91	108172	22.319	ug/l	97
90) Hexachloroethane	14.057	117	24625	22.176	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	55569	21.221	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3215	22.347	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	32815	21.473	ug/l	96
94) Hexachlorobutadiene	15.204	225	18209	22.009	ug/l	95
95) Naphthalene	15.333	128	55284	20.807	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	28834	21.809	ug/l	98

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

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