

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078494.D
 Acq On : 21 Feb 2024 11:54
 Operator : RP/MD
 Sample : VD0221SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/22/2024
 Supervised By :Semsettin Yesilyurt 02/22/2024

Quant Time: Feb 22 00:01:50 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	109523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	189194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	173277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65368	55.199	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.400%			
35) Dibromofluoromethane	7.810	113	70782	58.897	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.800%			
50) Toluene-d8	10.269	98	275977	57.406	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.820%			
62) 4-Bromofluorobenzene	12.575	95	78707	56.259	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21193	19.639	ug/l	98
3) Chloromethane	2.152	50	35987	18.146	ug/l	95
4) Vinyl Chloride	2.287	62	57424	18.976	ug/l	99
5) Bromomethane	2.687	94	47348	22.667	ug/l	99
6) Chloroethane	2.834	64	46450	21.050	ug/l	99
7) Trichlorofluoromethane	3.175	101	46722	22.887	ug/l	97
8) Diethyl Ether	3.599	74	13026	22.154	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.975	101	29173	22.653	ug/l	95
10) Methyl Iodide	4.163	142	26825	23.257	ug/l #	90
11) Tert butyl alcohol	5.063	59	7171	108.531	ug/l #	87
12) 1,1-Dichloroethene	3.946	96	26541	22.230	ug/l	94
13) Acrolein	3.793	56	9760	89.213	ug/l	91
14) Allyl chloride	4.557	41	31718	21.504	ug/l	91
15) Acrylonitrile	5.257	53	28870	114.697	ug/l	97
16) Acetone	4.028	43	33342	133.149	ug/l	88
17) Carbon Disulfide	4.275	76	76363	19.008	ug/l	98
18) Methyl Acetate	4.563	43	11277	16.270	ug/l	89
19) Methyl tert-butyl Ether	5.322	73	56652	22.333	ug/l	92
20) Methylene Chloride	4.810	84	35651	25.033	ug/l #	91
21) trans-1,2-Dichloroethene	5.322	96	30564	21.760	ug/l	93
22) Diisopropyl ether	6.216	45	73392	22.576	ug/l	95
23) Vinyl Acetate	6.157	43	187298m	134.073	ug/l	
24) 1,1-Dichloroethane	6.116	63	55351	24.035	ug/l	96
25) 2-Butanone	7.087	43	38487	120.119	ug/l	88
26) 2,2-Dichloropropane	7.081	77	43449	22.506	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	35360	22.946	ug/l	95
28) Bromochloromethane	7.428	49	19051	20.886	ug/l	82
29) Tetrahydrofuran	7.451	42	20172	114.541	ug/l	91
30) Chloroform	7.604	83	58283	23.920	ug/l	95
31) Cyclohexane	7.881	56	38860	19.399	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	49088	23.629	ug/l	99
36) 1,1-Dichloropropene	8.010	75	41735	22.354	ug/l	97
37) Ethyl Acetate	7.175	43	15485	23.661	ug/l #	93
38) Carbon Tetrachloride	7.987	117	42381	22.922	ug/l	98
39) Methylcyclohexane	9.275	83	45349	20.461	ug/l	96
40) Benzene	8.251	78	124741	23.116	ug/l	98

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 Supervised By :Semsettin Yesilyurt 02/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	7751	22.757	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	32761	23.463	ug/l	100
43) Isopropyl Acetate	8.363	43	27518	22.707	ug/l	96
44) Trichloroethene	9.028	130	33217	24.128	ug/l	100
45) 1,2-Dichloropropane	9.304	63	31017	23.426	ug/l	95
46) Dibromomethane	9.398	93	17974	24.135	ug/l	89
47) Bromodichloromethane	9.587	83	43865	23.781	ug/l	99
48) Methyl methacrylate	9.381	41	13593	21.142	ug/l #	80
49) 1,4-Dioxane	9.392	88	3707	459.639	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	74181	115.330	ug/l	93
52) Toluene	10.334	92	77827	22.806	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	38782	23.042	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	49116	24.066	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	24458	24.387	ug/l	93
56) Ethyl methacrylate	10.598	69	24936	26.884	ug/l	92
57) 1,3-Dichloropropane	10.875	76	40499	23.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	67489	123.524	ug/l	97
59) 2-Hexanone	10.922	43	61206	126.621	ug/l	88
60) Dibromochloromethane	11.075	129	29333	24.309	ug/l	95
61) 1,2-Dibromoethane	11.175	107	23128	24.564	ug/l	100
64) Tetrachloroethene	10.804	164	26497	24.210	ug/l	96
65) Chlorobenzene	11.604	112	84365	24.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	31494	24.601	ug/l	96
67) Ethyl Benzene	11.681	91	145272	23.275	ug/l	93
68) m/p-Xylenes	11.792	106	117060	48.081	ug/l	92
69) o-Xylene	12.116	106	53846	24.235	ug/l	95
70) Styrene	12.133	104	93226	25.710	ug/l	99
71) Bromoform	12.298	173	18102	26.865	ug/l #	93
73) Isopropylbenzene	12.422	105	139314	22.843	ug/l	95
74) N-amyl acetate	12.233	43	26717	23.156	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	28626	23.662	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	18512m	24.008	ug/l	
77) Bromobenzene	12.704	156	34929	24.370	ug/l	95
78) n-propylbenzene	12.763	91	177201	23.315	ug/l	97
79) 2-Chlorotoluene	12.845	91	93347	22.932	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	113991	22.509	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	8608	23.176	ug/l	99
82) 4-Chlorotoluene	12.945	91	102421	23.427	ug/l	95
83) tert-Butylbenzene	13.163	119	100796	23.601	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	117377	22.838	ug/l	99
85) sec-Butylbenzene	13.345	105	158366	23.910	ug/l	95
86) p-Isopropyltoluene	13.457	119	128506	22.778	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	72034	23.548	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	71938	23.933	ug/l	98
89) n-Butylbenzene	13.786	91	126948	23.346	ug/l	95
90) Hexachloroethane	14.051	117	26959	23.250	ug/l	93
91) 1,2-Dichlorobenzene	13.827	146	62888	24.481	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3723	23.503	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	35504	23.517	ug/l	98
94) Hexachlorobutadiene	15.204	225	18691	23.719	ug/l	98
95) Naphthalene	15.333	128	64095	22.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	30596	23.913	ug/l	99

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

