

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030824\
 Data File : VD078621.D
 Acq On : 08 Mar 2024 17:28
 Operator : RP/MD
 Sample : MDL03
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

Quant Time: Mar 09 03:35:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 09 03:32:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	98543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	179564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	170854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52179	53.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	106.840%		
35) Dibromofluoromethane	7.805	113	56905	48.718	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.440%		
50) Toluene-d8	10.269	98	200906	44.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.520%		
62) 4-Bromofluorobenzene	12.569	95	54592	42.112	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	2642	2.986	ug/l	86
3) Chloromethane	2.152	50	5991	3.760	ug/l	91
4) Vinyl Chloride	2.281	62	8454	3.490	ug/l #	88
5) Bromomethane	2.687	94	6513	3.367	ug/l	94
6) Chloroethane	2.828	64	6297	3.508	ug/l	97
7) Trichlorofluoromethane	3.170	101	5126	3.130	ug/l	98
8) Diethyl Ether	3.593	74	1310	2.848	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.958	101	3242	3.141	ug/l #	70
10) Methyl Iodide	4.152	142	2313m	2.141	ug/l	
11) Tert butyl alcohol	5.064	59	562	11.086	ug/l #	73
12) 1,1-Dichloroethene	3.940	96	2484	2.578	ug/l #	74
13) Acrolein	3.793	56	1080	11.148	ug/l #	73
14) Allyl chloride	4.546	41	2761m	2.515	ug/l	
15) Acrylonitrile	5.258	53	2600	13.712	ug/l	94
16) Acetone	4.022	43	3448	18.424	ug/l	96
17) Carbon Disulfide	4.264	76	8636	2.690	ug/l	100
18) Methyl Acetate	4.575	43	1986	5.606	ug/l #	77
19) Methyl tert-butyl Ether	5.322	73	5493	2.803	ug/l #	91
20) Methylene Chloride	4.805	84	20201	10.764	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	3117	2.692	ug/l #	82
22) Diisopropyl ether	6.216	45	5423	2.204	ug/l #	87
23) Vinyl Acetate	6.158	43	14089	9.640	ug/l	96
24) 1,1-Dichloroethane	6.099	63	5337	2.871	ug/l #	78
25) 2-Butanone	7.099	43	4219m	17.872	ug/l	
26) 2,2-Dichloropropane	7.075	77	4715	3.002	ug/l #	49
27) cis-1,2-Dichloroethene	7.075	96	3290	2.595	ug/l	88
28) Bromochloromethane	7.428	49	1960	2.822	ug/l #	77
29) Tetrahydrofuran	7.458	42	1722	13.130	ug/l #	83
30) Chloroform	7.599	83	5857	2.918	ug/l	85
31) Cyclohexane	7.869	56	5426	3.549	ug/l #	70
32) 1,1,1-Trichloroethane	7.781	97	4870	2.828	ug/l	96
36) 1,1-Dichloropropene	8.010	75	4150	2.568	ug/l	94
37) Ethyl Acetate	7.187	43	1763m	3.366	ug/l	
38) Carbon Tetrachloride	7.987	117	3944	2.333	ug/l #	96
39) Methylcyclohexane	9.269	83	4282	2.257	ug/l	97
40) Benzene	8.246	78	11700	2.442	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	886	3.156	ug/l #	68
42) 1,2-Dichloroethane	8.322	62	3694	3.039	ug/l	94
43) Isopropyl Acetate	8.352	43	2845	2.833	ug/l #	83
44) Trichloroethene	9.034	130	3510	2.670	ug/l	79
45) 1,2-Dichloropropane	9.299	63	3184	2.767	ug/l	89
46) Dibromomethane	9.393	93	1873	2.823	ug/l #	77
47) Bromodichloromethane	9.587	83	4652	2.844	ug/l	92
48) Methyl methacrylate	9.381	41	1377	3.028	ug/l #	80
49) 1,4-Dioxane	9.387	88	302	45.702	ug/l #	58
51) 4-Methyl-2-Pentanone	10.157	43	7015	13.536	ug/l	93
52) Toluene	10.328	92	7619	2.478	ug/l	88
53) t-1,3-Dichloropropene	10.546	75	3480	2.299	ug/l #	84
54) cis-1,3-Dichloropropene	10.010	75	3998	2.206	ug/l #	79
55) 1,1,2-Trichloroethane	10.728	97	2668	2.856	ug/l	93
56) Ethyl methacrylate	10.593	69	1929	2.060	ug/l #	82
57) 1,3-Dichloropropane	10.881	76	4123	2.723	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.869	63	5074	11.967	ug/l	98
59) 2-Hexanone	10.928	43	4847	12.609	ug/l	87
60) Dibromochloromethane	11.075	129	3389	3.004	ug/l	92
61) 1,2-Dibromoethane	11.175	107	2210	2.578	ug/l	96
64) Tetrachloroethene	10.804	164	3245	3.019	ug/l #	86
65) Chlorobenzene	11.604	112	9014	2.679	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	3503	2.797	ug/l	89
67) Ethyl Benzene	11.687	91	12094	2.075	ug/l	95
68) m/p-Xylenes	11.793	106	9941	4.215	ug/l	91
69) o-Xylene	12.116	106	4189	1.958	ug/l	93
70) Styrene	12.134	104	5858	1.580	ug/l #	85
71) Bromoform	12.304	173	1709	2.565	ug/l #	88
73) Isopropylbenzene	12.422	105	10873	2.191	ug/l	96
74) N-amyl acetate	12.228	43	1883	2.255	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.669	83	3026	3.183	ug/l #	94
76) 1,2,3-Trichloropropane	12.710	75	2014m	3.369	ug/l	
77) Bromobenzene	12.698	156	2872	2.393	ug/l	81
78) n-propylbenzene	12.757	91	13831	2.279	ug/l	95
79) 2-Chlorotoluene	12.845	91	7713	2.368	ug/l	96
80) 1,3,5-Trimethylbenzene	12.898	105	9002	2.230	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.457	75	560m	2.005	ug/l	
82) 4-Chlorotoluene	12.945	91	7881	2.271	ug/l	99
83) tert-Butylbenzene	13.163	119	7339	2.111	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	8338	2.020	ug/l	97
85) sec-Butylbenzene	13.345	105	11173	2.060	ug/l	97
86) p-Isopropyltoluene	13.463	119	8711	1.908	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	6325	2.467	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	6463	2.516	ug/l	83
89) n-Butylbenzene	13.787	91	9979	2.339	ug/l	90
90) Hexachloroethane	14.051	117	2982	3.212	ug/l	74
91) 1,2-Dichlorobenzene	13.828	146	5313	2.439	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	296	2.336	ug/l	76
93) 1,2,4-Trichlorobenzene	15.098	180	3652	2.832	ug/l	93
94) Hexachlorobutadiene	15.198	225	1997	2.814	ug/l	84
95) Naphthalene	15.328	128	5543	2.432	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.522	180	2787	2.433	ug/l	94

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

