

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078940.D
 Acq On : 16 May 2024 10:53
 Operator : RP/MD
 Sample : VD0516SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024
 Supervised By :Mahesh Dadoda 05/17/2024

Quant Time: May 17 06:07:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	137469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	219274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	61099	47.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.760%		
35) Dibromofluoromethane	7.810	113	72077	49.380	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.760%		
50) Toluene-d8	10.269	98	276048	50.448	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.900%		
62) 4-Bromofluorobenzene	12.575	95	76549	49.797	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	23456	18.261	ug/l	98
3) Chloromethane	2.152	50	34508	18.054	ug/l	96
4) Vinyl Chloride	2.287	62	56317	20.044	ug/l	95
5) Bromomethane	2.687	94	51665	19.596	ug/l	99
6) Chloroethane	2.840	64	44532	18.111	ug/l	95
7) Trichlorofluoromethane	3.181	101	47237	17.546	ug/l	94
8) Diethyl Ether	3.593	74	12616	20.122	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	28105	19.769	ug/l	98
10) Methyl Iodide	4.164	142	31019	18.263	ug/l	99
11) Tert butyl alcohol	5.058	59	6367	113.118	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	26839	19.286	ug/l	90
13) Acrolein	3.799	56	11081	86.326	ug/l	99
14) Allyl chloride	4.569	41	24411	17.977	ug/l	94
15) Acrylonitrile	5.252	53	22994	92.253	ug/l	99
16) Acetone	4.028	43	20325	98.858	ug/l	97
17) Carbon Disulfide	4.275	76	83975	19.620	ug/l	100
18) Methyl Acetate	4.569	43	8986	18.982	ug/l	88
19) Methyl tert-butyl Ether	5.322	73	49309	18.185	ug/l #	84
20) Methylene Chloride	4.805	84	38883	20.302	ug/l	97
21) trans-1,2-Dichloroethene	5.316	96	29406	18.958	ug/l	94
22) Diisopropyl ether	6.222	45	58222	18.957	ug/l	96
23) Vinyl Acetate	6.158	43	168504m	91.472	ug/l	
24) 1,1-Dichloroethane	6.111	63	45004	18.484	ug/l	98
25) 2-Butanone	7.081	43	27087	98.505	ug/l	96
26) 2,2-Dichloropropane	7.075	77	39761	18.583	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	32546	17.869	ug/l	94
28) Bromochloromethane	7.422	49	15101	18.598	ug/l	98
29) Tetrahydrofuran	7.446	42	14919	93.801	ug/l	97
30) Chloroform	7.593	83	51145	18.546	ug/l	94
31) Cyclohexane	7.881	56	34736	18.438	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	45168	19.126	ug/l	99
36) 1,1-Dichloropropene	8.010	75	35151	19.352	ug/l	98
37) Ethyl Acetate	7.175	43	11942	19.292	ug/l	97
38) Carbon Tetrachloride	7.993	117	40080	18.855	ug/l	96
39) Methylcyclohexane	9.275	83	42428	19.225	ug/l	99
40) Benzene	8.252	78	113593	19.335	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	5569	16.720	ug/l	96
42) 1,2-Dichloroethane	8.328	62	27534	19.363	ug/l	98
43) Isopropyl Acetate	8.363	43	21327	19.417	ug/l #	83
44) Trichloroethene	9.028	130	28060	18.007	ug/l	96
45) 1,2-Dichloropropane	9.304	63	24324	18.841	ug/l	99
46) Dibromomethane	9.393	93	15556	18.304	ug/l	97
47) Bromodichloromethane	9.587	83	39137	19.130	ug/l	97
48) Methyl methacrylate	9.381	41	9508	17.782	ug/l #	90
49) 1,4-Dioxane	9.387	88	3433	459.213	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	57697	98.623	ug/l	95
52) Toluene	10.334	92	72669	19.324	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	32228	18.539	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	39964	19.153	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	21132	19.246	ug/l	96
56) Ethyl methacrylate	10.599	69	21104	18.682	ug/l #	96
57) 1,3-Dichloropropane	10.881	76	31804	18.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	45868	94.498	ug/l	99
59) 2-Hexanone	10.922	43	40584	99.665	ug/l	98
60) Dibromochloromethane	11.075	129	28232	18.862	ug/l	93
61) 1,2-Dibromoethane	11.181	107	19511	19.489	ug/l	93
64) Tetrachloroethene	10.810	164	26045	19.776	ug/l	96
65) Chlorobenzene	11.610	112	82305	19.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	27477	18.408	ug/l	97
67) Ethyl Benzene	11.687	91	127805	18.402	ug/l	100
68) m/p-Xylenes	11.793	106	107387	38.032	ug/l	98
69) o-Xylene	12.122	106	47348	18.394	ug/l	95
70) Styrene	12.134	104	86019	18.855	ug/l	100
71) Bromoform	12.298	173	16064	18.787	ug/l #	97
73) Isopropylbenzene	12.422	105	124135	18.566	ug/l	99
74) N-amyl acetate	12.234	43	20419	18.821	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	23549	19.526	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	14992m	19.010	ug/l	
77) Bromobenzene	12.698	156	31789	18.080	ug/l	97
78) n-propylbenzene	12.763	91	155853	19.285	ug/l	98
79) 2-Chlorotoluene	12.851	91	81987	18.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	100760	18.139	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	7848	19.733	ug/l	99
82) 4-Chlorotoluene	12.945	91	88538	18.789	ug/l	99
83) tert-Butylbenzene	13.169	119	88412	17.996	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	104108	18.093	ug/l	100
85) sec-Butylbenzene	13.345	105	137340	18.741	ug/l	100
86) p-Isopropyltoluene	13.463	119	113597	17.792	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	67852	18.237	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	67349	18.483	ug/l	98
89) n-Butylbenzene	13.787	91	106010	18.529	ug/l	98
90) Hexachloroethane	14.051	117	25103	18.639	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	56287	18.081	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2979	18.554	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	33020	18.065	ug/l	99
94) Hexachlorobutadiene	15.204	225	16687	17.469	ug/l	97
95) Naphthalene	15.334	128	55913	17.958	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	29053	17.868	ug/l	98

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

