

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050824\
 Data File : VD078890.D
 Acq On : 08 May 2024 15:43
 Operator : RP/MD
 Sample : VD0508SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Quant Time: May 09 04:44:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 19:40:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	123125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	201302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	160467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57331	41.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.900%		
35) Dibromofluoromethane	7.804	113	67593	45.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.460%		
50) Toluene-d8	10.269	98	204353	36.027	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	72.060%		
62) 4-Bromofluorobenzene	12.575	95	58384	35.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21063	15.133	ug/l	91
3) Chloromethane	2.146	50	31184	15.075	ug/l	94
4) Vinyl Chloride	2.281	62	49592	16.515	ug/l	96
5) Bromomethane	2.681	94	45554	15.203	ug/l	98
6) Chloroethane	2.828	64	41743	16.874	ug/l	100
7) Trichlorofluoromethane	3.169	101	49253	20.153	ug/l	95
8) Diethyl Ether	3.593	74	12852	19.286	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.958	101	30033	20.455	ug/l	98
10) Methyl Iodide	4.163	142	27319	16.861	ug/l	95
11) Tert butyl alcohol	5.063	59	7115	113.657	ug/l #	88
12) 1,1-Dichloroethene	3.934	96	26498	18.202	ug/l	98
13) Acrolein	3.787	56	11013	91.086	ug/l	99
14) Allyl chloride	4.546	41	27638	18.913	ug/l	99
15) Acrylonitrile	5.246	53	28926	109.046	ug/l	98
16) Acetone	4.022	43	22342	109.630	ug/l	95
17) Carbon Disulfide	4.263	76	74862	15.550	ug/l	100
18) Methyl Acetate	4.563	43	11216	22.201	ug/l	96
19) Methyl tert-butyl Ether	5.322	73	56860	20.638	ug/l	93
20) Methylene Chloride	4.799	84	51990	28.436	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	30814	18.876	ug/l	89
22) Diisopropyl ether	6.216	45	69764	21.590	ug/l	96
23) Vinyl Acetate	6.152	43	195662	100.437	ug/l	95
24) 1,1-Dichloroethane	6.110	63	52453	20.162	ug/l	99
25) 2-Butanone	7.081	43	30514	106.765	ug/l	99
26) 2,2-Dichloropropane	7.075	77	44751	20.386	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	35621	19.104	ug/l	98
28) Bromochloromethane	7.422	49	20831	21.283	ug/l	98
29) Tetrahydrofuran	7.446	42	18579	111.095	ug/l	99
30) Chloroform	7.593	83	58742	20.234	ug/l	96
31) Cyclohexane	7.869	56	34086	16.800	ug/l	89
32) 1,1,1-Trichloroethane	7.787	97	50214	20.508	ug/l	97
36) 1,1-Dichloropropene	8.004	75	36373	19.132	ug/l	98
37) Ethyl Acetate	7.169	43	15309	24.346	ug/l	95
38) Carbon Tetrachloride	7.993	117	42486	19.414	ug/l	97
39) Methylcyclohexane	9.269	83	32762	13.986	ug/l	97
40) Benzene	8.246	78	118945	19.105	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	6924	22.298	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	30286	20.605	ug/l	99
43) Isopropyl Acetate	8.357	43	24774	21.539	ug/l #	84
44) Trichloroethene	9.028	130	27946	17.819	ug/l	99
45) 1,2-Dichloropropane	9.304	63	23281	17.051	ug/l	95
46) Dibromomethane	9.387	93	14430	16.601	ug/l	99
47) Bromodichloromethane	9.581	83	36050	16.749	ug/l	99
48) Methyl methacrylate	9.381	41	8696	16.130	ug/l	94
49) 1,4-Dioxane	9.387	88	2793	352.102	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	53503	86.866	ug/l	99
52) Toluene	10.334	92	62813	16.062	ug/l	93
53) t-1,3-Dichloropropene	10.551	75	30298	16.788	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	36191	16.603	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	19723	17.493	ug/l	93
56) Ethyl methacrylate	10.598	69	19235	16.604	ug/l	98
57) 1,3-Dichloropropane	10.881	76	30165	16.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	43096	85.195	ug/l	94
59) 2-Hexanone	10.922	43	38625	88.567	ug/l	98
60) Dibromochloromethane	11.069	129	26683	17.461	ug/l	98
61) 1,2-Dibromoethane	11.175	107	17836	17.058	ug/l	99
64) Tetrachloroethene	10.804	164	21646	19.777	ug/l	94
65) Chlorobenzene	11.604	112	73663	20.002	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	25826	20.054	ug/l	99
67) Ethyl Benzene	11.681	91	114186	18.956	ug/l	99
68) m/p-Xylenes	11.792	106	95202	39.033	ug/l	97
69) o-Xylene	12.122	106	41828	18.758	ug/l	98
70) Styrene	12.134	104	76914	19.617	ug/l	98
71) Bromoform	12.298	173	15321	21.973	ug/l #	95
73) Isopropylbenzene	12.422	105	108382	18.744	ug/l	99
74) N-amyl acetate	12.234	43	18917	19.668	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	22473	20.744	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	17094m	23.953	ug/l	
77) Bromobenzene	12.698	156	28208	18.988	ug/l	96
78) n-propylbenzene	12.763	91	134688	19.221	ug/l	98
79) 2-Chlorotoluene	12.845	91	75091	19.199	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	92303	19.224	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	7439	20.367	ug/l	98
82) 4-Chlorotoluene	12.945	91	81057	19.434	ug/l	99
83) tert-Butylbenzene	13.163	119	83701	20.253	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	92408	18.802	ug/l	92
85) sec-Butylbenzene	13.345	105	120947	19.272	ug/l	99
86) p-Isopropyltoluene	13.457	119	103838	19.092	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	61753	19.849	ug/l	100
88) 1,4-Dichlorobenzene	13.533	146	61092	19.837	ug/l	97
89) n-Butylbenzene	13.786	91	93908	19.367	ug/l	97
90) Hexachloroethane	14.051	117	22638	19.455	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	53547	20.111	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3438	23.310	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	30933	20.912	ug/l	94
94) Hexachlorobutadiene	15.198	225	15416	20.344	ug/l	96
95) Naphthalene	15.333	128	51673	19.390	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	25783	19.675	ug/l	97

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

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