

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008567.D
 Acq On : 29 Apr 2022 18:20
 Operator : KP/MD
 Sample : VY0429SBS04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS04

Quant Time: Apr 30 00:39:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	92021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	156025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50484	46.626	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.260%		
35) Dibromofluoromethane	7.716	113	50594	50.244	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.480%		
50) Toluene-d8	10.179	98	192015	47.943	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.880%		
62) 4-Bromofluorobenzene	12.483	95	94363	69.594	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	139.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16295	19.500	ug/l	96
3) Chloromethane	2.113	50	29720	22.602	ug/l	96
4) Vinyl Chloride	2.253	62	41581	24.336	ug/l	97
5) Bromomethane	2.644	94	40106	25.244	ug/l	100
6) Chloroethane	2.790	64	28246	24.849	ug/l	91
7) Trichlorofluoromethane	3.119	101	39519	22.327	ug/l	96
8) Diethyl Ether	3.528	74	11002	18.060	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.906	101	22983	21.813	ug/l	92
10) Methyl Iodide	4.088	142	21321	16.531	ug/l	92
11) Tert butyl alcohol	4.954	59	11345	87.595	ug/l	100
12) 1,1-Dichloroethene	3.869	96	20442	20.550	ug/l	87
13) Acrolein	3.729	56	8243	71.507	ug/l	98
14) Allyl chloride	4.479	41	26070	20.079	ug/l #	83
15) Acrylonitrile	5.161	53	27508	88.315	ug/l	98
16) Acetone	3.942	43	20305	80.514	ug/l #	89
17) Carbon Disulfide	4.192	76	56867	18.909	ug/l	100
18) Methyl Acetate	4.472	43	12664	17.906	ug/l #	84
19) Methyl tert-butyl Ether	5.222	73	57611	18.304	ug/l	95
20) Methylene Chloride	4.716	84	34218	22.723	ug/l #	81
21) trans-1,2-Dichloroethene	5.222	96	24749	20.396	ug/l #	80
22) Diisopropyl ether	6.119	45	61565	19.635	ug/l #	92
23) Vinyl Acetate	6.058	43	200760	93.392	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	40786	20.897	ug/l	97
25) 2-Butanone	6.984	43	34514	88.462	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	37872	20.951	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	28744	20.709	ug/l	83
28) Bromochloromethane	7.332	49	15093	19.171	ug/l #	78
29) Tetrahydrofuran	7.344	42	22749	90.528	ug/l #	81
30) Chloroform	7.502	83	45258	21.107	ug/l	99
31) Cyclohexane	7.783	56	36858	20.707	ug/l #	82
32) 1,1,1-Trichloroethane	7.697	97	41060	21.869	ug/l	96
36) 1,1-Dichloropropene	7.917	75	33681	21.028	ug/l	97
37) Ethyl Acetate	7.070	43	16208	18.297	ug/l #	91
38) Carbon Tetrachloride	7.899	117	36792	22.108	ug/l	97
39) Methylcyclohexane	9.185	83	44264	21.583	ug/l	87
40) Benzene	8.161	78	98559	21.091	ug/l	96

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41) Methacrylonitrile	7.307	41	6655	15.492	ug/l #	67
42) 1,2-Dichloroethane	8.234	62	28354	20.154	ug/l	92
43) Isopropyl Acetate	8.277	43	30861	18.943	ug/l #	88
44) Trichloroethene	8.941	130	27234	21.154	ug/l	96
45) 1,2-Dichloropropane	9.216	63	23669	21.092	ug/l	94
46) Dibromomethane	9.301	93	15173	19.299	ug/l	93
47) Bromodichloromethane	9.496	83	34847	20.880	ug/l	96
48) Methyl methacrylate	9.289	41	13423	19.378	ug/l #	81
49) 1,4-Dioxane	9.295	88	3744	377.656	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	81788	95.432	ug/l #	87
52) Toluene	10.240	92	66822	21.623	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	35801	20.003	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	39938	20.137	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	21438	19.979	ug/l	96
56) Ethyl methacrylate	10.508	69	26152	18.876	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	34101	19.468	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	62089	81.769	ug/l	90
59) 2-Hexanone	10.831	43	55976	94.912	ug/l	86
60) Dibromochloromethane	10.983	129	24724	20.055	ug/l	100
61) 1,2-Dibromoethane	11.087	107	20746	19.548	ug/l	97
64) Tetrachloroethene	10.721	164	24231	14.950	ug/l	99
65) Chlorobenzene	11.514	112	106691	21.589	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40189	22.027	ug/l	98
67) Ethyl Benzene	11.593	91	177372	20.680	ug/l	97
68) m/p-Xylenes	11.703	106	143173	41.675	ug/l	89
69) o-Xylene	12.032	106	70224	21.232	ug/l	87
70) Styrene	12.044	104	114182	20.486	ug/l	93
71) Bromoform	12.209	173	24707	21.608	ug/l #	99
73) Isopropylbenzene	12.331	105	187320	21.805	ug/l	98
74) N-amyl acetate	12.142	43	31731	14.949	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.581	83	34089	17.760	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	28994m	19.773	ug/l	
77) Bromobenzene	12.611	156	45941	21.928	ug/l	80
78) n-propylbenzene	12.672	91	207554	20.143	ug/l	94
79) 2-Chlorotoluene	12.758	91	116079	20.015	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	149831	21.012	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	10357	16.386	ug/l #	82
82) 4-Chlorotoluene	12.855	91	121076	20.146	ug/l	93
83) tert-Butylbenzene	13.075	119	140591	22.712	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	155068	21.917	ug/l	95
85) sec-Butylbenzene	13.251	105	200958	21.512	ug/l	96
86) p-Isopropyltoluene	13.367	119	170623	21.809	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	91942	21.920	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	89876	21.630	ug/l	98
89) n-Butylbenzene	13.696	91	145684	20.516	ug/l	97
90) Hexachloroethane	13.965	117	21058	14.971	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	82198	22.039	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3451	11.964	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	28704	13.826	ug/l	99
94) Hexachlorobutadiene	15.111	225	15282	15.087	ug/l	98
95) Naphthalene	15.239	128	57854	12.293	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	24773	13.633	ug/l	99

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

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