

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008558.D
 Acq On : 29 Apr 2022 14:48
 Operator : KP/MD
 Sample : VY0429SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS02

Quant Time: Apr 30 00:36:55 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	177783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	233180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81821	39.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.220%		
35) Dibromofluoromethane	7.716	113	89190	52.551	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.100%		
50) Toluene-d8	10.179	98	331366	49.036	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.483	95	111100	48.613	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34611	21.438	ug/l	97
3) Chloromethane	2.113	50	38523	15.164	ug/l	95
4) Vinyl Chloride	2.247	62	48213	14.606	ug/l	97
5) Bromomethane	2.644	94	40848	13.308	ug/l	99
6) Chloroethane	2.790	64	31291	14.249	ug/l	99
7) Trichlorofluoromethane	3.125	101	65247	19.080	ug/l	92
8) Diethyl Ether	3.528	74	19413	16.495	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.893	101	38479	18.903	ug/l	92
10) Methyl Iodide	4.088	142	43492	17.359	ug/l	89
11) Tert butyl alcohol	4.960	59	17403	63.973	ug/l	96
12) 1,1-Dichloroethene	3.863	96	35534	18.490	ug/l #	68
13) Acrolein	3.729	56	16743	75.178	ug/l	99
14) Allyl chloride	4.479	41	39107	15.590	ug/l #	89
15) Acrylonitrile	5.161	53	39022	64.846	ug/l	99
16) Acetone	3.948	43	31319	64.280	ug/l #	89
17) Carbon Disulfide	4.186	76	97256	16.739	ug/l	99
18) Methyl Acetate	4.472	43	18802	13.760	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	90231	14.838	ug/l	92
20) Methylene Chloride	4.710	84	54128	17.329	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	39508	16.853	ug/l #	76
22) Diisopropyl ether	6.119	45	87584	14.458	ug/l #	88
23) Vinyl Acetate	6.058	43	279693	67.346	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	58073	15.401	ug/l	95
25) 2-Butanone	6.978	43	49100	65.139	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	58718	16.813	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	44684	16.664	ug/l	77
28) Bromochloromethane	7.326	49	19373	12.737	ug/l #	44
29) Tetrahydrofuran	7.344	42	31246	64.359	ug/l #	69
30) Chloroform	7.502	83	66532	16.061	ug/l	99
31) Cyclohexane	7.783	56	51953	15.107	ug/l #	73
32) 1,1,1-Trichloroethane	7.698	97	62982	17.363	ug/l #	93
36) 1,1-Dichloropropene	7.911	75	49691	18.406	ug/l	92
37) Ethyl Acetate	7.070	43	23259	15.578	ug/l #	89
38) Carbon Tetrachloride	7.899	117	59971	21.380	ug/l	97
39) Methylcyclohexane	9.179	83	65477	18.942	ug/l #	81
40) Benzene	8.161	78	145576	18.483	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10061	13.895	ug/l #	32
42) 1,2-Dichloroethane	8.234	62	41073	17.321	ug/l	90
43) Isopropyl Acetate	8.271	43	41995	15.293	ug/l #	84
44) Trichloroethene	8.935	130	46218	21.299	ug/l	92
45) 1,2-Dichloropropane	9.216	63	32838	17.362	ug/l	91
46) Dibromomethane	9.301	93	22248	16.790	ug/l	90
47) Bromodichloromethane	9.496	83	50154	17.830	ug/l	98
48) Methyl methacrylate	9.289	41	17734	15.189	ug/l #	74
49) 1,4-Dioxane	9.295	88	5148	308.086	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	109783	76.000	ug/l #	84
52) Toluene	10.240	92	96419	18.511	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	49934	16.553	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	57389	17.168	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	31152	17.224	ug/l	95
56) Ethyl methacrylate	10.508	69	37295	15.971	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	49889	16.898	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	89103	69.621	ug/l #	82
59) 2-Hexanone	10.831	43	75074	75.523	ug/l	80
60) Dibromochloromethane	10.983	129	39757	19.133	ug/l	100
61) 1,2-Dibromoethane	11.087	107	31091	17.381	ug/l	100
64) Tetrachloroethene	10.715	164	42801	24.752	ug/l	97
65) Chlorobenzene	11.514	112	109695	20.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	40783	20.951	ug/l	99
67) Ethyl Benzene	11.593	91	183223	20.023	ug/l	95
68) m/p-Xylenes	11.703	106	149162	40.696	ug/l	89
69) o-Xylene	12.026	106	70555	19.995	ug/l	88
70) Styrene	12.044	104	118277	19.890	ug/l	92
71) Bromoform	12.209	173	25483	20.889	ug/l #	100
73) Isopropylbenzene	12.331	105	186799	21.182	ug/l	97
74) N-amyl acetate	12.142	43	36396	16.703	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	34441	17.479	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29564m	19.640	ug/l	
77) Bromobenzene	12.611	156	47363	22.022	ug/l	81
78) n-propylbenzene	12.672	91	215684	20.390	ug/l	95
79) 2-Chlorotoluene	12.758	91	119816	20.125	ug/l	90
80) 1,3,5-Trimethylbenzene	12.812	105	155558	21.251	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	11426	17.609	ug/l #	80
82) 4-Chlorotoluene	12.855	91	125724	20.379	ug/l	93
83) tert-Butylbenzene	13.075	119	139390	21.936	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	151177	20.815	ug/l	95
85) sec-Butylbenzene	13.251	105	199487	20.802	ug/l	96
86) p-Isopropyltoluene	13.373	119	174689	21.751	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	92347	21.447	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	91861	21.536	ug/l	98
89) n-Butylbenzene	13.696	91	147897	20.289	ug/l	96
90) Hexachloroethane	13.959	117	31156	21.578	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	80933	21.139	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5096	17.209	ug/l	60
93) 1,2,4-Trichlorobenzene	15.007	180	51171	24.010	ug/l	99
94) Hexachlorobutadiene	15.117	225	30226	29.068	ug/l	99
95) Naphthalene	15.239	128	93888	19.433	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	43843	23.504	ug/l	99

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

