

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013312.D
 Acq On : 14 Apr 2023 12:38
 Operator : KP/MD
 Sample : VY0414SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Quant Time: Apr 17 02:07:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

04/17/2023
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	277158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	423725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	376013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	193296	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.136	65	163387	49.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.100%
35) Dibromofluoromethane	7.710	113	145425	53.014	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.020%
50) Toluene-d8	10.173	98	532080	52.111	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.220%
62) 4-Bromofluorobenzene	12.477	95	174148	52.493	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.980%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.900	85	49393	19.801	ug/l	99
3) Chloromethane	2.107	50	57722	18.470	ug/l	100
4) Vinyl Chloride	2.247	62	53890	18.188	ug/l	98
5) Bromomethane	2.644	94	38384	16.894	ug/l	97
6) Chloroethane	2.784	64	35523	17.778	ug/l	99
7) Trichlorofluoromethane	3.119	101	92223	19.998	ug/l	97
8) Diethyl Ether	3.521	74	34943	20.855	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.887	101	56724	20.932	ug/l	97
10) Methyl Iodide	4.082	142	69094	20.786	ug/l	100
11) Tert butyl alcohol	4.966	59	46688m	85.120	ug/l	
12) 1,1-Dichloroethene	3.863	96	52937	20.298	ug/l	96
13) Acrolein	3.729	56	44344	108.376	ug/l	98
14) Allyl chloride	4.466	41	97184	19.507	ug/l	98
15) Acrylonitrile	5.155	53	103792	107.803	ug/l	98
16) Acetone	3.942	43	115276	100.658	ug/l	92
17) Carbon Disulfide	4.186	76	171580	19.983	ug/l	99
18) Methyl Acetate	4.473	43	78104	21.087	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	162866	20.847	ug/l	99
20) Methylene Chloride	4.704	84	72373	21.490	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	61631	20.701	ug/l	93
22) Diisopropyl ether	6.112	45	196365	20.000	ug/l	91
23) Vinyl Acetate	6.051	43	633541	102.072	ug/l	99
24) 1,1-Dichloroethane	6.009	63	111963	20.414	ug/l	99
25) 2-Butanone	6.984	43	152623	104.084	ug/l	98
26) 2,2-Dichloropropane	6.972	77	96718	19.656	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	67231	20.768	ug/l	98
28) Bromochloromethane	7.326	49	43202	19.765	ug/l	99
29) Tetrahydrofuran	7.344	42	98561	110.669	ug/l	97
30) Chloroform	7.496	83	113741	20.493	ug/l	100
31) Cyclohexane	7.777	56	97598	19.379	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	100501	20.016	ug/l	98
36) 1,1-Dichloropropene	7.911	75	84510	20.336	ug/l	100
37) Ethyl Acetate	7.064	43	75167	22.439	ug/l #	94
38) Carbon Tetrachloride	7.893	117	93796	20.412	ug/l	98
39) Methylcyclohexane	9.179	83	95466	19.761	ug/l	98
40) Benzene	8.155	78	244804	20.353	ug/l	100

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41) Methacrylonitrile	7.301	41	30293m	21.797	ug/l	
42) 1,2-Dichloroethane	8.234	62	81463	19.976	ug/l	99
43) Isopropyl Acetate	8.271	43	113306	20.364	ug/l	99
44) Trichloroethene	8.935	130	66358	21.417	ug/l	96
45) 1,2-Dichloropropane	9.209	63	64123	20.540	ug/l	99
46) Dibromomethane	9.301	93	40026	21.303	ug/l	98
47) Bromodichloromethane	9.490	83	90073	20.971	ug/l	98
48) Methyl methacrylate	9.289	41	51284	20.066	ug/l	97
49) 1,4-Dioxane	9.307	88	12153	477.406	ug/l #	37
51) 4-Methyl-2-Pentanone	10.063	43	331188	109.370	ug/l	98
52) Toluene	10.240	92	151687	20.885	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	93403	20.765	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	101547	20.588	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	52944	21.371	ug/l	97
56) Ethyl methacrylate	10.508	69	72409	21.347	ug/l	96
57) 1,3-Dichloropropane	10.782	76	88547	21.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	164306	116.008	ug/l	98
59) 2-Hexanone	10.831	43	242469	110.123	ug/l	97
60) Dibromochloromethane	10.977	129	65671	21.141	ug/l	99
61) 1,2-Dibromoethane	11.087	107	51739	21.447	ug/l	97
64) Tetrachloroethene	10.715	164	57157	21.546	ug/l	96
65) Chlorobenzene	11.514	112	162757	20.692	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	62796	21.274	ug/l	99
67) Ethyl Benzene	11.587	91	279960	20.436	ug/l	97
68) m/p-Xylenes	11.697	106	219023	41.785	ug/l	99
69) o-Xylene	12.026	106	101352	20.878	ug/l	100
70) Styrene	12.038	104	172967	21.096	ug/l	99
71) Bromoform	12.203	173	44485	21.754	ug/l #	99
73) Isopropylbenzene	12.325	105	267773	20.196	ug/l	100
74) N-amyl acetate	12.142	43	96493	20.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	68746	20.989	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	46108m	19.143	ug/l	
77) Bromobenzene	12.605	156	68553	20.676	ug/l	99
78) n-propylbenzene	12.666	91	331741	20.259	ug/l	99
79) 2-Chlorotoluene	12.752	91	186224	20.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	226466	20.392	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	24659	21.249	ug/l	95
82) 4-Chlorotoluene	12.849	91	192735	19.834	ug/l	100
83) tert-Butylbenzene	13.075	119	189081	19.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	225649	20.877	ug/l	99
85) sec-Butylbenzene	13.251	105	289008	20.280	ug/l	99
86) p-Isopropyltoluene	13.367	119	242846	20.767	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	131796	20.621	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	131360	20.338	ug/l	97
89) n-Butylbenzene	13.690	91	226219	20.226	ug/l	98
90) Hexachloroethane	13.959	117	49113	20.143	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	120409	20.703	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12788	21.500	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	74737	21.621	ug/l	98
94) Hexachlorobutadiene	15.111	225	44538	21.759	ug/l	99
95) Naphthalene	15.233	128	162771	21.177	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	69142	21.955	ug/l	99

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

