

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014900.D
 Acq On : 28 Jul 2023 11:43
 Operator : SY/MD
 Sample : VY0728SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0728SBS02

Quant Time: Jul 29 03:02:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	194806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	297490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	114142	51.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.840%			
35) Dibromofluoromethane	7.710	113	103229	49.492	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.980%			
50) Toluene-d8	10.173	98	365858	47.577	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.477	95	135234	45.864	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28518	17.968	ug/l	95
3) Chloromethane	2.107	50	39220	21.983	ug/l	96
4) Vinyl Chloride	2.241	62	44720	22.429	ug/l	98
5) Bromomethane	2.619	94	34157	25.922	ug/l	97
6) Chloroethane	2.772	64	29069	23.340	ug/l	96
7) Trichlorofluoromethane	3.107	101	63003	18.814	ug/l	100
8) Diethyl Ether	3.522	74	23342	18.734	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.881	101	36720	17.890	ug/l	95
10) Methyl Iodide	4.076	142	32969	16.804	ug/l	97
11) Tert butyl alcohol	4.936	59	70857	145.052	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	32838	17.118	ug/l	94
13) Acrolein	3.717	56	18685	80.531	ug/l	98
14) Allyl chloride	4.466	41	54439	15.983	ug/l	97
15) Acrylonitrile	5.149	53	70339	102.376	ug/l	100
16) Acetone	3.942	43	67481	95.928	ug/l	96
17) Carbon Disulfide	4.180	76	89207	16.243	ug/l	97
18) Methyl Acetate	4.466	43	56626	20.976	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	117962	18.930	ug/l	98
20) Methylene Chloride	4.704	84	51424	19.966	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	38719	17.785	ug/l	97
22) Diisopropyl ether	6.113	45	122016	17.620	ug/l	91
23) Vinyl Acetate	6.052	43	370158	89.322	ug/l #	95
24) 1,1-Dichloroethane	6.003	63	70063	17.682	ug/l	97
25) 2-Butanone	6.978	43	105122	102.144	ug/l	98
26) 2,2-Dichloropropane	6.972	77	64034	16.957	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	46285	18.265	ug/l	96
28) Bromochloromethane	7.326	49	34458	20.192	ug/l	94
29) Tetrahydrofuran	7.344	42	64484	101.757	ug/l	91
30) Chloroform	7.496	83	76005	18.601	ug/l	96
31) Cyclohexane	7.777	56	60202	16.337	ug/l #	86
32) 1,1,1-Trichloroethane	7.692	97	64232	17.466	ug/l	99
36) 1,1-Dichloropropene	7.911	75	53343	17.101	ug/l	99
37) Ethyl Acetate	7.070	43	41499	19.324	ug/l #	94
38) Carbon Tetrachloride	7.893	117	57375	17.401	ug/l	95
39) Methylcyclohexane	9.179	83	65786	16.189	ug/l	92
40) Benzene	8.149	78	157916	17.801	ug/l	99

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41) Methacrylonitrile	7.301	41	21203m	19.195	ug/l	
42) 1,2-Dichloroethane	8.228	62	53364	18.996	ug/l	94
43) Isopropyl Acetate	8.265	43	75694	18.503	ug/l	97
44) Trichloroethene	8.935	130	44669	17.997	ug/l	97
45) 1,2-Dichloropropane	9.210	63	40603	17.528	ug/l	100
46) Dibromomethane	9.301	93	26881	19.128	ug/l	96
47) Bromodichloromethane	9.490	83	59216	17.879	ug/l	99
48) Methyl methacrylate	9.289	41	33221	18.047	ug/l	93
49) 1,4-Dioxane	9.295	88	9603	419.079	ug/l #	52
51) 4-Methyl-2-Pentanone	10.063	43	214669	99.943	ug/l	94
52) Toluene	10.240	92	100782	17.754	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	61584	16.998	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	67881	17.229	ug/l	95
55) 1,1,2-Trichloroethane	10.636	97	37365	19.088	ug/l	94
56) Ethyl methacrylate	10.502	69	55009	18.405	ug/l	89
57) 1,3-Dichloropropane	10.782	76	63349	18.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	140323	100.762	ug/l	94
59) 2-Hexanone	10.825	43	158615	101.262	ug/l	94
60) Dibromochloromethane	10.978	129	44278	18.449	ug/l	99
61) 1,2-Dibromoethane	11.081	107	37204	19.051	ug/l	99
64) Tetrachloroethene	10.715	164	43170	18.043	ug/l	96
65) Chlorobenzene	11.508	112	112847	17.801	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.581	131	42557	17.804	ug/l	99
67) Ethyl Benzene	11.587	91	196126	17.135	ug/l	100
68) m/p-Xylenes	11.697	106	151218	34.610	ug/l	96
69) o-Xylene	12.020	106	73195	17.200	ug/l	98
70) Styrene	12.038	104	126044	17.573	ug/l	97
71) Bromoform	12.203	173	29375	18.131	ug/l #	99
73) Isopropylbenzene	12.325	105	193893	16.031	ug/l	99
74) N-amyl acetate	12.136	43	66127	16.324	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	48022	17.411	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	38148m	19.554	ug/l	
77) Bromobenzene	12.599	156	47122	17.068	ug/l	97
78) n-propylbenzene	12.666	91	231834	15.907	ug/l	99
79) 2-Chlorotoluene	12.752	91	131953	15.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	162749	16.112	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	14968	14.855	ug/l	99
82) 4-Chlorotoluene	12.849	91	139353	16.118	ug/l	99
83) tert-Butylbenzene	13.069	119	139138	15.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.111	105	163254	16.469	ug/l	99
85) sec-Butylbenzene	13.245	105	210470	16.012	ug/l	100
86) p-Isopropyltoluene	13.361	119	174525	16.262	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	92603	17.234	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	92753	17.226	ug/l	98
89) n-Butylbenzene	13.690	91	166676	15.964	ug/l	97
90) Hexachloroethane	13.953	117	33567	15.228	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	86000	17.469	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	9535	18.077	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	54047	17.294	ug/l	99
94) Hexachlorobutadiene	15.105	225	28670	16.694	ug/l	97
95) Naphthalene	15.227	128	129304	17.760	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	48505	17.464	ug/l	99

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

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