

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013515.D
 Acq On : 28 Apr 2023 10:59
 Operator : KP/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Quant Time: Apr 28 15:19:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/29/2023
 Supervised By :Mahesh Dadoda 05/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	301732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	456466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	420048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	212169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	173102	52.334	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.660%			
35) Dibromofluoromethane	7.716	113	146565	51.051	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.100%			
50) Toluene-d8	10.179	98	518544	50.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.483	95	185105	53.761	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59151	20.621	ug/l	99
3) Chloromethane	2.113	50	70003	18.206	ug/l	100
4) Vinyl Chloride	2.247	62	68075	17.781	ug/l	95
5) Bromomethane	2.650	94	57980	19.004	ug/l	96
6) Chloroethane	2.790	64	47453	17.942	ug/l	97
7) Trichlorofluoromethane	3.125	101	114814	19.796	ug/l	99
8) Diethyl Ether	3.528	74	38467	19.477	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.900	101	62538	19.224	ug/l	99
10) Methyl Iodide	4.089	142	67975	16.636	ug/l	95
11) Tert butyl alcohol	4.991	59	42412	114.195	ug/l	99
12) 1,1-Dichloroethene	3.869	96	59318	18.916	ug/l	92
13) Acrolein	3.729	56	35681	118.816	ug/l	94
14) Allyl chloride	4.479	41	110370	18.968	ug/l	95
15) Acrylonitrile	5.168	53	122303	110.573	ug/l	98
16) Acetone	3.954	43	139010	106.719	ug/l	97
17) Carbon Disulfide	4.192	76	190901	18.741	ug/l	100
18) Methyl Acetate	4.479	43	90905	21.130	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	179135	19.787	ug/l	96
20) Methylene Chloride	4.710	84	90623	16.843	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	67710	19.748	ug/l	95
22) Diisopropyl ether	6.119	45	225352	19.815	ug/l	94
23) Vinyl Acetate	6.058	43	721959	112.118	ug/l	96
24) 1,1-Dichloroethane	6.015	63	124562	19.652	ug/l	98
25) 2-Butanone	6.990	43	184425	111.640	ug/l	97
26) 2,2-Dichloropropane	6.978	77	106329	19.468	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	74140	19.571	ug/l	95
28) Bromochloromethane	7.332	49	47414	21.080	ug/l	83
29) Tetrahydrofuran	7.350	42	114069	110.928	ug/l	93
30) Chloroform	7.509	83	130753	20.748	ug/l	96
31) Cyclohexane	7.789	56	109527	18.495	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	114496	20.360	ug/l	97
36) 1,1-Dichloropropene	7.917	75	94568	19.847	ug/l	97
37) Ethyl Acetate	7.076	43	82201	22.925	ug/l	96
38) Carbon Tetrachloride	7.899	117	105283	21.082	ug/l	97
39) Methylcyclohexane	9.185	83	107296	19.101	ug/l	95
40) Benzene	8.161	78	276387	20.592	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	41348m	24.746	ug/l	
42) 1,2-Dichloroethane	8.234	62	94870	21.620	ug/l	99
43) Isopropyl Acetate	8.271	43	129515	21.400	ug/l	98
44) Trichloroethene	8.941	130	72501	20.307	ug/l	98
45) 1,2-Dichloropropane	9.216	63	72300	20.602	ug/l	98
46) Dibromomethane	9.301	93	44406	21.148	ug/l	98
47) Bromodichloromethane	9.496	83	99888	21.260	ug/l	99
48) Methyl methacrylate	9.295	41	58903	21.191	ug/l	96
49) 1,4-Dioxane	9.319	88	13855	462.004	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	392486	116.376	ug/l	96
52) Toluene	10.246	92	170474	21.107	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	106099	21.337	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	114001	20.374	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	62771	22.574	ug/l	97
56) Ethyl methacrylate	10.508	69	84130	21.808	ug/l	92
57) 1,3-Dichloropropane	10.789	76	103408	21.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	178656	123.500	ug/l	94
59) 2-Hexanone	10.831	43	298122	121.604	ug/l	96
60) Dibromochloromethane	10.984	129	73581	21.793	ug/l	100
61) 1,2-Dibromoethane	11.087	107	59274	21.681	ug/l	99
64) Tetrachloroethene	10.721	164	64467	20.183	ug/l	98
65) Chlorobenzene	11.514	112	181072	19.789	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	70986	20.743	ug/l	99
67) Ethyl Benzene	11.593	91	317462	19.758	ug/l	99
68) m/p-Xylenes	11.703	106	244189	39.977	ug/l	96
69) o-Xylene	12.026	106	114244	19.776	ug/l	96
70) Styrene	12.044	104	199843	20.690	ug/l	99
71) Bromoform	12.209	173	53986	22.522	ug/l #	98
73) Isopropylbenzene	12.331	105	303598	18.918	ug/l	98
74) N-amyl acetate	12.142	43	115265	20.184	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	80029	20.403	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	61866m	21.621	ug/l	
77) Bromobenzene	12.605	156	79319	20.399	ug/l	96
78) n-propylbenzene	12.672	91	379430	19.196	ug/l	98
79) 2-Chlorotoluene	12.758	91	214373	19.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	255934	19.540	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	27940	19.974	ug/l	93
82) 4-Chlorotoluene	12.855	91	226221	19.663	ug/l	98
83) tert-Butylbenzene	13.075	119	216380	19.068	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	252769	19.849	ug/l	98
85) sec-Butylbenzene	13.252	105	323811	19.013	ug/l	99
86) p-Isopropyltoluene	13.367	119	265580	19.391	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	149580	20.191	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	151025	20.181	ug/l	98
89) n-Butylbenzene	13.697	91	251760	18.834	ug/l	97
90) Hexachloroethane	13.959	117	55050	19.098	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	138095	20.643	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14555	21.010	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	80683	20.229	ug/l	98
94) Hexachlorobutadiene	15.111	225	47809	20.597	ug/l	99
95) Naphthalene	15.233	128	172867	19.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	74521	20.963	ug/l	99

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

