

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017428.D
 Acq On : 21 Feb 2024 10:27
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Quant Time: Feb 22 03:22:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/22/2024
 Supervised By :Semsettin Yesilyurt 02/22/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	145724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	237829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	200470	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	87349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	60562	48.648	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.734	113	67713	48.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.280%		
50) Toluene-d8	10.197	98	264017	48.898	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.495	95	75633	42.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	21585	18.575	ug/l	98
3) Chloromethane	2.119	50	41528	17.511	ug/l	99
4) Vinyl Chloride	2.259	62	57289	18.554	ug/l	100
5) Bromomethane	2.656	94	49432	19.910	ug/l	98
6) Chloroethane	2.802	64	37957	19.298	ug/l	97
7) Trichlorofluoromethane	3.137	101	49665	18.755	ug/l	89
8) Diethyl Ether	3.540	74	14063	18.790	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	29545	19.303	ug/l	99
10) Methyl Iodide	4.107	142	32157	19.742	ug/l	99
11) Tert butyl alcohol	4.960	59	8420	86.987	ug/l	98
12) 1,1-Dichloroethene	3.881	96	27847	19.357	ug/l	98
13) Acrolein	3.747	56	13402	103.464	ug/l	100
14) Allyl chloride	4.491	41	33559	19.246	ug/l	98
15) Acrylonitrile	5.173	53	26637	89.519	ug/l	99
16) Acetone	3.960	43	24808	92.015	ug/l	94
17) Carbon Disulfide	4.210	76	88178	19.293	ug/l	99
18) Methyl Acetate	4.497	43	10621	17.372	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	58243	17.923	ug/l	98
20) Methylene Chloride	4.735	84	31685	14.868	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	32369	19.453	ug/l	96
22) Diisopropyl ether	6.137	45	75591	18.848	ug/l	95
23) Vinyl Acetate	6.076	43	217667	91.324	ug/l	99
24) 1,1-Dichloroethane	6.033	63	52283	19.229	ug/l	98
25) 2-Butanone	7.002	43	33923	89.637	ug/l	93
26) 2,2-Dichloropropane	6.996	77	45308	19.366	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	34829	18.846	ug/l	99
28) Bromochloromethane	7.350	49	21459	21.035	ug/l	99
29) Tetrahydrofuran	7.362	42	19397	87.188	ug/l	98
30) Chloroform	7.521	83	55742	19.420	ug/l	100
31) Cyclohexane	7.801	56	46335	18.801	ug/l	92
32) 1,1,1-Trichloroethane	7.716	97	49003	19.329	ug/l	98
36) 1,1-Dichloropropene	7.935	75	43772	18.826	ug/l	98
37) Ethyl Acetate	7.088	43	15247	18.009	ug/l	99
38) Carbon Tetrachloride	7.911	117	43755	18.901	ug/l	99
39) Methylcyclohexane	9.197	83	52421	18.419	ug/l	99
40) Benzene	8.173	78	125939	18.539	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	7338m	17.748	ug/l	
42) 1,2-Dichloroethane	8.252	62	30491	18.491	ug/l	99
43) Isopropyl Acetate	8.283	43	26276	17.174	ug/l	99
44) Trichloroethene	8.953	130	34389	18.676	ug/l	96
45) 1,2-Dichloropropane	9.228	63	28837	18.364	ug/l	99
46) Dibromomethane	9.319	93	15847	17.755	ug/l	99
47) Bromodichloromethane	9.508	83	40176	18.308	ug/l	98
48) Methyl methacrylate	9.307	41	12569	17.510	ug/l	97
49) 1,4-Dioxane	9.319	88	3133	335.613	ug/l #	96
51) 4-Methyl-2-Pentanone	10.087	43	69260	84.014	ug/l	100
52) Toluene	10.258	92	78945	18.615	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	35841	17.638	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	44650	17.910	ug/l	97
55) 1,1,2-Trichloroethane	10.660	97	21885	17.821	ug/l	96
56) Ethyl methacrylate	10.526	69	23451	17.719	ug/l	97
57) 1,3-Dichloropropane	10.801	76	36050	17.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	59486	81.069	ug/l	99
59) 2-Hexanone	10.849	43	49073	86.423	ug/l	98
60) Dibromochloromethane	11.002	129	26245	17.978	ug/l	99
61) 1,2-Dibromoethane	11.105	107	20158	17.545	ug/l	98
64) Tetrachloroethene	10.733	164	30501	19.011	ug/l	97
65) Chlorobenzene	11.532	112	80385	18.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	28559	17.758	ug/l	99
67) Ethyl Benzene	11.605	91	143700	18.604	ug/l	100
68) m/p-Xylenes	11.715	106	111703	36.788	ug/l	99
69) o-Xylene	12.044	106	50570	18.154	ug/l	99
70) Styrene	12.056	104	82906	18.121	ug/l	99
71) Bromoform	12.221	173	14674	17.537	ug/l #	97
73) Isopropylbenzene	12.343	105	135094	20.022	ug/l	99
74) N-amyl acetate	12.160	43	20644	17.572	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.599	83	23136	19.186	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	14882m	17.572	ug/l	
77) Bromobenzene	12.623	156	30211	19.092	ug/l	98
78) n-propylbenzene	12.684	91	165877	20.325	ug/l	100
79) 2-Chlorotoluene	12.770	91	89677	19.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	107770	19.969	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	6482	17.845	ug/l	94
82) 4-Chlorotoluene	12.867	91	90839	19.589	ug/l	99
83) tert-Butylbenzene	13.087	119	96272	20.429	ug/l	98
84) 1,2,4-Trimethylbenzene	13.135	105	102820	19.231	ug/l	98
85) sec-Butylbenzene	13.270	105	146552	20.247	ug/l	99
86) p-Isopropyltoluene	13.385	119	116630	19.563	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	60215	18.843	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	58959	19.108	ug/l	99
89) n-Butylbenzene	13.709	91	107077	19.748	ug/l	99
90) Hexachloroethane	13.977	117	22909	19.611	ug/l	95
91) 1,2-Dichlorobenzene	13.757	146	49576	18.431	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	2623	17.209	ug/l	95
93) 1,2,4-Trichlorobenzene	15.025	180	23275	16.549	ug/l	98
94) Hexachlorobutadiene	15.129	225	15711	18.367	ug/l	98
95) Naphthalene	15.251	128	35396	16.130	ug/l	98
96) 1,2,3-Trichlorobenzene	15.440	180	18985	16.056	ug/l	100

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

