

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015744.D
 Acq On : 28 Sep 2023 14:14
 Operator : SY/MD
 Sample : VY0928SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0928SBS01

Quant Time: Sep 29 01:24:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	147328	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	242184	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	219994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78919	48.685	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.722	113	74836	51.627	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.260%		
50) Toluene-d8	10.185	98	271212	55.181	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	110.360%		
62) 4-Bromofluorobenzene	12.483	95	98015	50.817	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18605	19.158	ug/l	96
3) Chloromethane	2.113	50	21225	17.324	ug/l	97
4) Vinyl Chloride	2.253	62	26832	19.155	ug/l	99
5) Bromomethane	2.650	94	19864	16.704	ug/l	100
6) Chloroethane	2.790	64	20803	20.036	ug/l	99
7) Trichlorofluoromethane	3.119	101	47630	20.275	ug/l	99
8) Diethyl Ether	3.534	74	18889	18.855	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	29903	20.330	ug/l	96
10) Methyl Iodide	4.094	142	27167	17.578	ug/l	98
11) Tert butyl alcohol	4.997	59	42808	100.664	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	24373	18.804	ug/l	94
13) Acrolein	3.735	56	16512	66.512	ug/l	98
14) Allyl chloride	4.485	41	44835	18.919	ug/l	94
15) Acrylonitrile	5.167	53	67642	92.040	ug/l	97
16) Acetone	3.966	43	88976	102.566	ug/l	92
17) Carbon Disulfide	4.192	76	37712	14.977	ug/l	99
18) Methyl Acetate	4.485	43	49725	17.084	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	104673	19.828	ug/l	99
20) Methylene Chloride	4.716	84	57638	28.231	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	28832	19.461	ug/l	94
22) Diisopropyl ether	6.125	45	115453	20.244	ug/l	95
23) Vinyl Acetate	6.070	43	340127	96.621	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	62516	20.111	ug/l	97
25) 2-Butanone	6.996	43	116032	94.629	ug/l	98
26) 2,2-Dichloropropane	6.990	77	57459	20.223	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	39550	20.109	ug/l	98
28) Bromochloromethane	7.344	49	21201	25.138	ug/l	99
29) Tetrahydrofuran	7.356	42	59944	86.493	ug/l	94
30) Chloroform	7.515	83	69212	20.791	ug/l	98
31) Cyclohexane	7.789	56	41220	18.356	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	56893	20.702	ug/l	97
36) 1,1-Dichloropropene	7.923	75	43348	20.225	ug/l	99
37) Ethyl Acetate	7.082	43	40731	19.052	ug/l	98
38) Carbon Tetrachloride	7.905	117	49105	21.107	ug/l	98
39) Methylcyclohexane	9.191	83	44879	18.932	ug/l	98
40) Benzene	8.167	78	132870	20.329	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	20499m	17.808	ug/l	
42) 1,2-Dichloroethane	8.240	62	45101	20.148	ug/l	95
43) Isopropyl Acetate	8.283	43	69494	19.030	ug/l	96
44) Trichloroethene	8.947	130	37585	20.589	ug/l	94
45) 1,2-Dichloropropane	9.222	63	37455	20.549	ug/l	96
46) Dibromomethane	9.307	93	23480	20.138	ug/l	95
47) Bromodichloromethane	9.502	83	54760	21.071	ug/l	100
48) Methyl methacrylate	9.301	41	29583	18.456	ug/l	90
49) 1,4-Dioxane	9.319	88	8941	388.166	ug/l #	54
51) 4-Methyl-2-Pentanone	10.075	43	216828	95.795	ug/l	94
52) Toluene	10.252	92	88037	20.893	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	57255	20.544	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	61221	20.408	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	35325	20.674	ug/l	97
56) Ethyl methacrylate	10.514	69	49749	19.757	ug/l #	88
57) 1,3-Dichloropropane	10.794	76	60016	20.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	66210	82.780	ug/l	94
59) 2-Hexanone	10.837	43	174530	100.504	ug/l	92
60) Dibromochloromethane	10.989	129	41966	21.040	ug/l	100
61) 1,2-Dibromoethane	11.093	107	34122	20.413	ug/l	97
64) Tetrachloroethene	10.727	164	40186	21.291	ug/l	96
65) Chlorobenzene	11.520	112	102846	21.417	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	40588	21.759	ug/l	98
67) Ethyl Benzene	11.599	91	176530	21.032	ug/l	99
68) m/p-Xylenes	11.709	106	135870	42.590	ug/l	96
69) o-Xylene	12.032	106	66255	21.180	ug/l	98
70) Styrene	12.050	104	114584	21.399	ug/l	97
71) Bromoform	12.215	173	28212	20.871	ug/l #	100
73) Isopropylbenzene	12.337	105	180038	20.952	ug/l	100
74) N-amyl acetate	12.148	43	62862	19.464	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	46837	19.585	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	36027m	19.715	ug/l	
77) Bromobenzene	12.611	156	42911	20.344	ug/l	93
78) n-propylbenzene	12.678	91	221484	21.217	ug/l	99
79) 2-Chlorotoluene	12.764	91	124071	20.851	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	149584	20.794	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	15650	19.286	ug/l	96
82) 4-Chlorotoluene	12.861	91	128818	20.737	ug/l	99
83) tert-Butylbenzene	13.081	119	134716	21.382	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	151869	21.100	ug/l	99
85) sec-Butylbenzene	13.257	105	202146	21.439	ug/l	100
86) p-Isopropyltoluene	13.373	119	167967	21.326	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	87826	20.988	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	89056	21.280	ug/l	99
89) n-Butylbenzene	13.702	91	160774	21.557	ug/l	97
90) Hexachloroethane	13.965	117	31705	20.858	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	82389	21.329	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8841	18.614	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	51812	21.306	ug/l	99
94) Hexachlorobutadiene	15.117	225	27976	22.465	ug/l	96
95) Naphthalene	15.239	128	125685	19.821	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	46960	20.922	ug/l	99

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

