

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002327.D
 Acq On : 15 Apr 2020 11:38
 Operator : SY/MD
 Sample : VY0415SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 10:31:56 AM

Quant Time: Apr 16 06:57:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	148949	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	269320	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	240090	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	109426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85154	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.74	113	90401	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
50) Toluene-d8	10.19	98	379304	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
62) 4-Bromofluorobenzene	12.49	95	121964	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29753	19.765	ug/l	97
3) Chloromethane	2.13	50	38793	20.476	ug/l	97
4) Vinyl Chloride	2.27	62	42315	20.984	ug/l	100
5) Bromomethane	2.66	94	26645	21.397	ug/l	97
6) Chloroethane	2.81	64	24185	20.796	ug/l	100
7) Trichlorofluoromethane	3.15	101	54768	21.030	ug/l	100
8) Diethyl Ether	3.55	74	24958	22.543	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	38062	21.516	ug/l	98
10) Methyl Iodide	4.12	142	41170	20.021	ug/l	97
11) Tert butyl alcohol	4.98	59	26438	134.339	ug/l #	95
12) 1,1-Dichloroethene	3.90	96	39434	21.926	ug/l	91
13) Acrolein	3.76	56	19741	92.432	ug/l	99
14) Allyl chloride	4.51	41	56654	19.507	ug/l	95
15) Acrylonitrile	5.21	53	58951	104.123	ug/l	99
16) Acetone	3.97	43	46031	105.510	ug/l	92
17) Carbon Disulfide	4.22	76	126611	21.197	ug/l	100
18) Methyl Acetate	4.51	43	27314	20.184	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	98238	20.777	ug/l	97
20) Methylene Chloride	4.75	84	49301	22.991	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	44193	21.891	ug/l	94
22) Diisopropyl ether	6.15	45	115939	19.836	ug/l	98
23) Vinyl Acetate	6.10	43	363657	97.636	ug/l	97
24) 1,1-Dichloroethane	6.05	63	69175	20.808	ug/l	99
25) 2-Butanone	7.02	43	69407	100.528	ug/l	95
26) 2,2-Dichloropropane	7.01	77	57840	20.799	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	47141	21.422	ug/l	95
28) Bromochloromethane	7.36	49	29440	20.514	ug/l	97
29) Tetrahydrofuran	7.38	42	44478	97.457	ug/l	96
30) Chloroform	7.53	83	65983	21.055	ug/l	100
31) Cyclohexane	7.81	56	70236	20.127	ug/l #	90
32) 1,1,1-Trichloroethane	7.73	97	55022	21.094	ug/l	98
36) 1,1-Dichloropropene	7.94	75	55606	20.962	ug/l	98
37) Ethyl Acetate	7.11	43	28796	19.001	ug/l #	95
38) Carbon Tetrachloride	7.93	117	47676	21.011	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	76299	21.144	ug/l	96
40) Benzene	8.18	78	172785	21.468	ug/l	100
41) Methacrylonitrile	7.35	41	15578m	17.425	ug/l	
42) 1,2-Dichloroethane	8.26	62	39200	19.662	ug/l	96
43) Isopropyl Acetate	8.29	43	52464	18.982	ug/l	96
44) Trichloroethene	8.96	130	50289	21.252	ug/l	90
45) 1,2-Dichloropropane	9.24	63	41815	20.939	ug/l	100
46) Dibromomethane	9.32	93	21813	20.891	ug/l	98
47) Bromodichloromethane	9.51	83	49614	20.709	ug/l	97
48) Methyl methacrylate	9.31	41	23353	18.844	ug/l	94
49) 1,4-Dioxane	9.32	88	5914	400.411	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	146199	101.512	ug/l	96
52) Toluene	10.26	92	105794	21.811	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	54086	20.720	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	65854	20.984	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	33134	21.675	ug/l	95
56) Ethyl methacrylate	10.52	69	45110	20.676	ug/l	90
57) 1,3-Dichloropropane	10.80	76	56865	21.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	120669	106.803	ug/l	98
59) 2-Hexanone	10.85	43	96592	96.636	ug/l	93
60) Dibromochloromethane	11.00	129	35594	21.837	ug/l	97
61) 1,2-Dibromoethane	11.10	107	30939	21.260	ug/l	99
64) Tetrachloroethene	10.74	164	53108	21.879	ug/l	97
65) Chlorobenzene	11.53	112	109542	21.949	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	35770	21.708	ug/l	99
67) Ethyl Benzene	11.61	91	198560	21.733	ug/l	98
68) m/p-Xylenes	11.71	106	149235	43.610	ug/l	98
69) o-Xylene	12.04	106	70997	22.099	ug/l	95
70) Styrene	12.05	104	122100	21.906	ug/l	97
71) Bromoform	12.22	173	19291	21.528	ug/l #	96
73) Isopropylbenzene	12.34	105	186851	21.735	ug/l	100
74) N-amyl acetate	12.16	43	45026	18.451	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.60	83	24002	23.077	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	27036m	21.277	ug/l	
77) Bromobenzene	12.62	156	40900	21.625	ug/l	97
78) n-propylbenzene	12.68	91	228936	21.413	ug/l	100
79) 2-Chlorotoluene	12.77	91	123872	21.319	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	153532	21.595	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	13705	20.978	ug/l	98
82) 4-Chlorotoluene	12.87	91	129112	21.201	ug/l	98
83) tert-Butylbenzene	13.09	119	128181	21.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	151329	21.315	ug/l	99
85) sec-Butylbenzene	13.27	105	191448	21.580	ug/l	99
86) p-Isopropyltoluene	13.38	119	168026	22.006	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	79522	21.695	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	80690	21.687	ug/l	99
89) n-Butylbenzene	13.71	91	164495	21.018	ug/l	100
90) Hexachloroethane	13.97	117	29865	20.526	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	73010	21.920	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5121	20.358	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	45041	20.689	ug/l	98
94) Hexachlorobutadiene	15.13	225	22821	20.813	ug/l	99
95) Naphthalene	15.25	128	97877	20.534	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	38473	20.352	ug/l	99

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

