

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002388.D
 Acq On : 17 Apr 2020 11:09
 Operator : SY/MD
 Sample : VY0417SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0417SBS01

Quant Time: Apr 18 04:53:20 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	165330	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	294247	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	257611	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	119673	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	73169	39.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	79.60%	
35) Dibromofluoromethane	7.75	113	83535	47.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	10.19	98	344790	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	12.49	95	114570	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	30296	18.131	ug/l	98
3) Chloromethane	2.13	50	40319	19.173	ug/l	96
4) Vinyl Chloride	2.27	62	42893	19.163	ug/l	96
5) Bromomethane	2.66	94	27470	19.873	ug/l	94
6) Chloroethane	2.81	64	24411	18.910	ug/l	97
7) Trichlorofluoromethane	3.15	101	55725	19.277	ug/l	98
8) Diethyl Ether	3.55	74	23632	19.230	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.92	101	39666	20.201	ug/l	99
10) Methyl Iodide	4.12	142	42967	18.825	ug/l	97
11) Tert butyl alcohol	4.99	59	20075	79.685	ug/l	98
12) 1,1-Dichloroethene	3.90	96	41427	20.752	ug/l	86
13) Acrolein	3.76	56	17247	72.753	ug/l	98
14) Allyl chloride	4.51	41	52877	16.403	ug/l #	92
15) Acrylonitrile	5.20	53	53354	84.900	ug/l	99
16) Acetone	3.97	43	39358	81.276	ug/l #	86
17) Carbon Disulfide	4.22	76	131485	19.832	ug/l	98
18) Methyl Acetate	4.51	43	24055	16.015	ug/l	90
19) Methyl tert-butyl Ether	5.26	73	94042	17.919	ug/l	95
20) Methylene Chloride	4.75	84	49552	20.819	ug/l	88
21) trans-1,2-Dichloroethene	5.25	96	46504	20.754	ug/l	89
22) Diisopropyl ether	6.15	45	110367	17.012	ug/l	97
23) Vinyl Acetate	6.10	43	330489	79.939	ug/l #	94
24) 1,1-Dichloroethane	6.05	63	68429	18.544	ug/l	99
25) 2-Butanone	7.02	43	58271	76.037	ug/l	95
26) 2,2-Dichloropropane	7.01	77	56732	18.379	ug/l	96
27) cis-1,2-Dichloroethene	7.02	96	49492	20.262	ug/l	90
28) Bromochloromethane	7.36	49	28660	17.992	ug/l	90
29) Tetrahydrofuran	7.38	42	38316	75.637	ug/l	89
30) Chloroform	7.53	83	66463	19.107	ug/l	98
31) Cyclohexane	7.81	56	69291	17.889	ug/l	92
32) 1,1,1-Trichloroethane	7.73	97	55077	19.023	ug/l	98
36) 1,1-Dichloropropene	7.94	75	55740	19.232	ug/l	95
37) Ethyl Acetate	7.11	43	25546	15.429	ug/l	96
38) Carbon Tetrachloride	7.93	117	48567	19.591	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	76496	19.403	ug/l	92
40) Benzene	8.19	78	176301	20.049	ug/l	100
41) Methacrylonitrile	7.36	41	18613m	19.056	ug/l	
42) 1,2-Dichloroethane	8.26	62	37357	17.150	ug/l	94
43) Isopropyl Acetate	8.29	43	45862	15.188	ug/l	91
44) Trichloroethene	8.96	130	51530	19.932	ug/l	89
45) 1,2-Dichloropropane	9.24	63	40787	18.694	ug/l	94
46) Dibromomethane	9.33	93	21447	18.800	ug/l	96
47) Bromodichloromethane	9.52	83	49561	18.934	ug/l	98
48) Methyl methacrylate	9.31	41	20041	14.801	ug/l #	86
49) 1,4-Dioxane	9.32	88	5801	359.488	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	120086	76.317	ug/l	93
52) Toluene	10.26	92	107084	20.207	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	53210	18.658	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	65637	19.143	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	32318	19.350	ug/l	97
56) Ethyl methacrylate	10.52	69	41895	17.576	ug/l	90
57) 1,3-Dichloropropane	10.80	76	54979	18.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	110637	89.629	ug/l	97
59) 2-Hexanone	10.85	43	86413	79.129	ug/l	95
60) Dibromochloromethane	11.00	129	34934	19.616	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30098	18.930	ug/l	99
64) Tetrachloroethene	10.74	164	55299	21.232	ug/l	96
65) Chlorobenzene	11.53	112	111714	20.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36385	20.580	ug/l	96
67) Ethyl Benzene	11.61	91	202448	20.651	ug/l	97
68) m/p-Xylenes	11.71	106	152944	41.654	ug/l	98
69) o-Xylene	12.04	106	72519	21.037	ug/l	95
70) Styrene	12.05	104	123207	20.601	ug/l	98
71) Bromoform	12.22	173	18925	19.684	ug/l #	96
73) Isopropylbenzene	12.34	105	193582	20.590	ug/l	100
74) N-amyl acetate	12.16	43	41821	15.671	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.59	83	23166	20.366	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	24971m	17.969	ug/l	
77) Bromobenzene	12.62	156	42600	20.595	ug/l	91
78) n-propylbenzene	12.68	91	235840	20.170	ug/l	99
79) 2-Chlorotoluene	12.77	91	126363	19.886	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	156651	20.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	13051	18.266	ug/l	98
82) 4-Chlorotoluene	12.86	91	130507	19.595	ug/l	97
83) tert-Butylbenzene	13.09	119	132745	20.382	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	155847	20.072	ug/l	98
85) sec-Butylbenzene	13.27	105	199086	20.520	ug/l	99
86) p-Isopropyltoluene	13.38	119	172752	20.688	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	82608	20.607	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	81949	20.139	ug/l	99
89) n-Butylbenzene	13.71	91	171421	20.028	ug/l	99
90) Hexachloroethane	13.97	117	31522	19.810	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	73975	20.308	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	4861	17.670	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	47075	19.772	ug/l	99
94) Hexachlorobutadiene	15.12	225	24418	20.362	ug/l	99
95) Naphthalene	15.25	128	97894	18.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40241	19.465	ug/l	99

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

